



Position Title: Senior Project Engineer (Asset Management and Reliability Engineering)

Position Status: Regular Full-Time

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 to lead process improvement initiatives, enhance data analytics capabilities, and advance the development of our Enterprise Asset Management System within a wastewater utility environment. This role will focus on analyzing asset performance using tools like GIS and Power BI, developing and implementing standard frameworks to guide asset decision-making, and ensuring consistency in how asset data is collected, maintained, and applied. The successful candidate will play a key role in driving the continued growth and maturity of our asset management practices.

You are:

- A systems thinker who enjoys improving processes and finding practical ways to use data for better decision-making.
- Experienced in reliability engineering with a solid understanding of process and/or electrical equipment.
- Comfortable working with tools like GIS, Power BI, and CMMSs to analyze trends, identify gaps, and support continuous improvement.
- A strong technical writer who can clearly document standards, procedures, and analytical findings for diverse audiences.
- Collaborative by nature, working well across teams to align efforts and drive consistency.

The Senior Project Engineer reports to the Division Manager.

This role:

- Performs complex and varied engineering and project management work. Applies principles and practices of profession 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 broad policies and mandates as guidelines. Uses ingenuity to devise original, practical and economical solutions.
- 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.
- May supervise professional engineers and/or technical 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. 4-6 years 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 the Engineers and Geoscientists of British Columbia (EGBC).
- Sound technical knowledge and understanding of engineering principles and their application in relevant discipline. Ability to act as a resource to staff and provide sound and practical guidance for unusual or problem situations.
- Ability to interpret and apply engineering and technical guidelines and principles related to area of specialization. Ability to adapt or adjust guidelines and procedures for unique or difficult situations.
- Proven contract administration and project management skills. 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 both verbally and in writing including 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 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 junior engineer, 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.

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 May 7, 2025.