



Position Title: *Project Engineer - Sewer & Drainage Operations Engineering

Position Status: Full-Time Regular

Department: Liquid Waste Services

Employee Group: Exempt

Location: 4515 Central Boulevard, Burnaby

Our Liquid Waste Services Department is seeking a Project Engineer who will be an integral part of the Sewer and Drainage Technical Services team at Metro Vancouver. The engineer carries out a range of infrastructure asset condition & performance management duties as well as engage in related core operational activities including coordination of corrective troubleshooting activities, emergency repairs, odour & corrosion control and capital works support.

You are a motivated, self-starting individual with a strong technical background and experience in sewer infrastructure management. You show interest in identifying opportunities to improve work processes. You are a problem solver who enjoys the challenge of working on multiple projects simultaneously in a fast paced environment.

The Project Engineer reports to the Lead Senior Engineer and falls within our Professional / Technical, Level 2A job family.

This role:

- Performs engineering and project management duties related to operations of wastewater collection and urban drainage systems. The primary focus is on pump stations, trunk sewers, odour & corrosion control facilities, and storage tanks & chambers. This role will include participation in Metro Vancouver's Capital program, reviewing designs to ensure Operations issues are addressed.
- Manages a range of technical initiatives such as evaluation and resolution of impacts from development or construction by outside parties; connection requests; infrastructure condition & performance assessments; outfall and marine crossing inspection and maintenance; and project development, design & management of system improvements. Undertakes and/or coordinates system improvements including: corrective troubleshooting; emergency and other repair; and investigating emerging technologies. Performs operational performance reviews and implements process and equipment optimization measures. Certifies valve and other isolation mechanisms to meet regulations for confined space entry.

- Engineering and project management work will include 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 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.
- 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. 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 principles and their application in relevant discipline.
- Ability to interpret and apply standard engineering and related guidelines to area of specialty 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 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 or greater experience may be considered at the Assistant Project Engineer and Senior Project Engineer levels respectively, along with the applicable rates 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.

Please follow this link <http://www.metrovancouver.org/about/careers/> to our Careers page where you can submit your application by December 14, 2022.