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Position Title: Project Engineer, Dam Studies & Assessments

Position Status: Full-Time Regular

Department: Water Services

Employee Group: Exempt

Location: 4515 Central Boulevard, Burnaby

Salary Range/ Wage Rate: Professional / Technical, Level P2A (\$108,607.20 - \$ 127,710.87 annually)

Our Water Services Department is seeking a Project Engineer, Dam Studies & Assessments who will be responsible for managing dam safety studies, assessments and reviews, and assist with planning and prioritization of operating and capital projects for all departments with dams.

You are: a professional engineer with sound written and oral communication skills, knowledge and experience in dam safety regulatory activities and best practices, and proven project management experience.

The Project Engineer, Dam Studies & Assessments reports to the Senior Engineer.

This role:

- Performs a range of engineering and project management work that may include design; document preparation; specifications; contract administration; budgetary oversight; cost estimates; scheduling; site review; and report writing. Will be responsible for managing dam safety studies, assessments, and reviews, as well as assisting with planning, prioritization, and administration of operating and capital projects for all departments with dams at Metro Vancouver.
- 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 consultants, 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 such as Civil (such as Structural, Hydrotechnical, Geotechnical, or Environmental), or Mechanical Engineering. 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).
- Knowledge of a variety of engineering disciplines such as environmental, geotechnical, civil, and mechanical as applicable to the Metro Vancouver dams and abutments is an asset. Experience with the Canadian Dam Association Dam Safety Guidelines, the BC Dam Safety Regulation, and other applicable guidelines, standards, and regulations is an asset.
- 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. Comfortable working in the field in a variety of terrain and weather conditions as well as at remote sites that are accessible only by helicopter.
- 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.

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@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 April 29, 2024.