



**Position Title:** \*Project Engineer (Dam Geotechnical Monitoring)

**Position Status:** Full-Time Regular

**Department:** Water Services

**Employee Group:** Exempt

**Location:** 4515 Central Boulevard, Burnaby

**Our Water Services Department is seeking a \*Project Engineer. This position will be responsible for dam geotechnical monitoring activities for the portfolio of Metro Vancouver dams, including foundation and abutment groundwater drainage infrastructure, instrument monitoring and maintenance programs, slope and seepage inspections, and reporting.**

**You are: A professional engineer with superior written and oral communication skills, and knowledge and experience in dam safety geotechnical monitoring.**

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

**This role:**

- Performs a range of engineering, project management and technical work in support of the Water Services Dam Safety division. This position will be responsible for dam geotechnical monitoring activities for the portfolio of Metro Vancouver dams, including foundation and abutment groundwater drainage infrastructure, instrument monitoring and maintenance programs, slope and seepage inspections, 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 such as Civil, Geotechnical or Geological 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 civil, environmental, geotechnical and geological as applicable to the Metro Vancouver dams and abutments is an asset. Experience in the design and use of geotechnical instrumentation, including automated data acquisition system, in the context of dams is beneficial to this position.
- 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.
- 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 greater or lesser experience may be considered at the Senior Project Engineer or Assistant Project Engineer level, respectively, 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.

We are committed to diversity, equity and inclusion and being representative of the region we serve. We invite all qualified candidates to apply including Indigenous People, visible minorities, immigrants, 2SLGBTQI+, all genders and persons with disabilities.

*Please follow this link <https://metrovancover.org/about-us/careers> to our Careers page where you can submit your application by August 9, 2023.*