



Position Title: Project Manager, Iona WWTP

Position Status: Full-Time Regular

Department: Project Delivery

Employee Group: Exempt

Location: 4515 Central Boulevard, Burnaby

Salary Range/ Wage Rate: Professional / Technical, Level P5B (\$161,794.85 - \$190,355.78 annually)

Our Project Delivery Department is seeking a Project Manager to support the Iona Wastewater Treatment Projects (IIWWTP) in the planning, design and construction stages of the project. The successful candidate will have extensive municipal experience in leading groups during the planning, design and construction stages of large, complex capital wastewater project.

The existing Iona Island Wastewater Treatment Plant was built in 1963 and today serves approximately 750,000 residents. The plant serves residents in the Vancouver Sewerage Area, which includes Vancouver, parts of Burnaby and Richmond, the University Endowment Lands, and UBC. The facility processes about 200 billion litres of wastewater each year.

The Iona Island Wastewater Treatment Plant is being upgraded to ensure continued protection of public health and the environment in a growing region. The IIWWTP Projects is the largest capital project ever undertaken by Metro Vancouver with a capital cost estimate of \$9.9 billion. This project involves the upgrading of the current primary plant to provide secondary treatment and tertiary filtration and includes a significant ground improvements program. It is in the early works and preliminary design stage.

The upgraded plant and complementary ecological projects are being designed to provide:

- **Secondary and Tertiary wastewater treatment** - to improve the treated wastewater quality being discharged to the Salish Sea.
- **Extensive ground improvements** - to protect the plant from earthquake events and account for future sea level rise this century.
- **Ecological restoration projects** - to restore Iona Beach Regional Park's diverse and sensitive ecosystems, build climate resilience, increase park visitor connection to nature, and create integration between the wastewater treatment plant and Park.

- **Resource recovery opportunities** - to help support the region's carbon neutrality objectives, by recovering important resources such as reclaimed water for non-potable uses, and biogas captured and used at the plant to generate heat for operations as well as supply for renewable natural gas.

The Iona Island Wastewater Treatment Plant Projects are now in the early works and preliminary design phase, with early works to prepare the site underway.

In 2022, Metro Vancouver retained Stantec as the Program Management Consultant to develop an integrated program management team (IPMT) with MV Staff. Together, this team is responsible for delivering the myriad of integrated early works projects in preparation for the construction of the WWTP.

You are: A leader and a proactive team player, who is well versed in project management, water and wastewater engineering principles and skilled in collaborating with multiple stakeholders. You have exemplary communication skills and strong experience in leading major multi-disciplinary water and/or wastewater infrastructure projects including intakes, tunnels, treatment plants, conveyance sewers, transmission mains and other large, complex projects.

The Project Manager, reports to the Director, Major Projects.

This role:

- Works closely with the IWWTP Leadership team to address and resolve major issues, lead and manage the Iona team and provides overall direction.
- Leads and manages a multi-disciplinary team consisting of engineering and technical staff, external consulting engineers and project management specialists and communications staff, oversees and approves consultation and engagement strategies.
- Hires, directs and motivates staff. Monitors performance towards division, department and corporate objectives and ensures staff adhere to corporate and board policies. Leads, coaches and develops staff recognizing the importance of leadership, supervisory and technical training. Develops and sustains a flexible workforce encouraging staff to pursue opportunities that complement their skills and experience.
- Prepares project and program budgets, prepares reports, allocates resources, monitors and controls spending, ensures effective and efficient expenditure of funds, leads risk management for capital projects, and works with legal staff to develop solutions for resolving contractual and environmental issues.
- Ensures the project's activities are consistent with the organization's values and goals. Addresses critical and complex project emergencies; facilitates information sharing among staff to transfer knowledge and experience; and provides progress reports to senior managers, political committees and the Board as required.
- Determines relevant processes and standards for procurement; project definition; conceptual, preliminary and detailed design; contract development; tendering; construction; and commissioning. Performs quality audits to ensure technical standards, corporate policies and procedures are adhered to. Ensures permits and authorizations have been obtained and ensures stakeholders have been adequately consulted.
- Works as technical specialist/expert and provides management services for the delivery of multi-billion dollar programs within the Project Delivery Department. The Project Manager position, reporting to the Director, Major

Projects, is responsible for leading the delivery of a wastewater treatment plant program including, treatment facilities, transmission mains, new influent pumps, district energy, within Major Projects.

- Prepares and reviews Requests for Statement of Qualifications and Requests for Proposals. Evaluates submissions and prepares recommendations for the award of engineering services, materials and construction contracts.
- Administers contracts, makes recommendations to senior management on contract awards and amendments, and prepares reports and makes presentations to senior management, stakeholders, political committees and the public, as well as managing projects through all phases of project definition, conceptual design, preliminary and detailed design, construction and commissioning.
- Makes decisions to resolve complex technical, financial, contractual, social, environmental and legal challenges encountered throughout the project. Works closely with the project team to address challenges.
- Makes significant decisions and recommendations regarding consulting and/or construction contract claims for change-orders and extra work. Evaluates the validity of claims by investigating the claimed impacts and exploring alternative methods. May present recommendations for review and approval to the Director, General Manager or CAO depending on scope.
- Responsible for developing and implementing strategic initiatives, guides staff on cost control and is responsible for the project's schedule.
- Provides advice and guidance to other MV groups on large, complex projects, liaises with other divisions, departments, external agencies, regulators, municipalities and the public on various issues affecting the project's work. Partners with consultants and technical associations to further objectives ensuring adequate engagement and communication in all project stages. Works diligently to incorporate relevant operating and maintenance considerations and to garner support, input and resources necessary to effectively complete work.
- Provides advice and guidance on approach and problem situations to others within Metro Vancouver and on behalf of the organization to contacts external to the organization; represents the organization to the media, elected officials, and the public as required.
- Liaises with other divisions, departments, external agencies, regulators, municipalities and the public on various issues affecting the project's work. Partners with consultants and technical associations to further objectives ensuring adequate engagement and communication in all project stages. Works diligently to incorporate relevant operating and maintenance considerations and to garner support, input and resources necessary to effectively complete work.
- Performs other related duties as required.

To be successful, you have:

- Bachelor of Applied Science Degree in Engineering in a relevant discipline. A minimum of 10 years of progressive experience managing major infrastructure project; 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). Formal project management training or certification is preferred.
- Extensive technical expertise and understanding of civil, geotechnical and tunneling, mechanical, electrical, structural, environmental and process engineering principles; standards and best practices, relevant for the wastewater treatment plant program; and extensive technical expertise and understanding of civil and/or geotechnical engineering principles relevant for tunnel group positions; and design and construction, understanding of technical review and dispute resolution boards, geotechnical baseline reports, and risk assessments.
- Superior ability to interpret, apply and advise others on engineering and related guidelines such as technical manuals, codes and regulations, and contracting policies. Expert contract administration and project management skills. Demonstrated ability to lead a large complex capital project requiring coordination amongst various divisions, disciplines, departments, external agencies and consultants.
- Excellent written and oral communication skills including sound report writing and presentation skills. Persuasively communicates complex information to diverse audiences and upholds the reputation of the organization in communications with the public, contractors, member municipalities, external agencies, the media, and elected officials.
- Excellent interpersonal skills and ability to build and maintain effective working relationships with internal and external contacts under circumstances that may be controversial, considerably complex and time sensitive. Skill in dealing openly, tactfully and sensitively in a variety of situations.
- Demonstrated ability to work in a team oriented work environment and contribute with constructive ideas and experiences. Ability to effectively deal with disagreements to prevent the escalation of conflict; seeks to include team members in decisions that will impact them. Ability to make complex and sometimes controversial decisions; exercise a high degree of independent judgment; effectively administer work through unforeseen circumstances; and resolve problems with implications beyond the work at hand. Strong organizational and time management skills.
- Ability to lead, supervise, coach and guide others while enhancing individual and team effectiveness. Ability to mentor and foster the development of direct reports and provide leadership to a number of 'support but does not report' working relationships. Sound understanding of and ability to consistently apply labour and employee relations principles and practices including applicable collective agreements and corporate policies.
- Proficiency using Microsoft Office programs including Word, Excel and Outlook.
- 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.

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 February 3, 2025.