



Position Title: Engineering Technician II

Position Status: Full-Time Regular

Department: Liquid Waste Services

Employee Group: Teamsters Local 31

Location: 4515 Central Boulevard, Burnaby

Salary Range/ Wage Rate: PG T25 \$3,205.95 - \$3,785.23 bi-weekly

Our Liquid Waste Services Department is seeking an Engineering Technician II who will support the development and execution of a process safety management system at the Wastewater Treatment plants.

You are: A detail oriented, technical individual with knowledge and experience in Process Safety management systems, proficient in reading P&IDs and are interested in working in an Operating environment.

This role:

- Under direction, performs field reviews and updates process safety information for existing equipment and reviews new installations to ensure adequate information is obtained prior to installation.
- Administers the process safety management system at the WWTP.
- Under direction, performs comprehensive studies of water and sewer utilities and drainage systems; recommends improvements for member municipalities and the District, involving feasibility, design, and cost estimates.
- Prepares operating and maintenance manuals and various reports for sewer and/or water systems and auxiliary equipment. May act as a scribe for process hazard analysis (PHA) studies.
- Designs and supervises the construction of minor components for various water and sewer systems and/or including electrical and mechanical equipment.
- Tabulates tenders, prepares recommendations, specifications, and requisitions for materials and equipment; checks drawings, equipment and completed work for conformance to specifications and operation of the project.
- Updates “as constructed” drawings for completion by draftspersons.
- Measures and calculates the flow patterns of sewer and water facilities, processes applications from member municipalities for sewer and water connections, arranges quality control check of effluent.

- Answers verbal and written inquiries on water, sewer and drainage matters from municipalities, external parties, and District personnel and performs a variety of office duties including the filing and maintenance of contracts and specifications, drawings and charts, inspection reports and the catalogue library.
- Maintains contact with external parties, public utilities, member municipalities, government agencies, and District personnel.
- Performs other work of equal importance, difficulty and responsibility, requiring comparable qualifications.

To be successful, you have:

- Completion of the 12th school grade supplemented by a two-year diploma course in Engineering Technology. Considerable related experience such as the design, construction and operation of sewer and water facilities and/or electrical and mechanical equipment OR an equivalent combination of training and experience.
- Diploma in Engineering Technology – BCIT or Community College.
- Sound knowledge of engineering mathematics, hydraulics, standard engineering nomenclature, and of engineering and construction practices.
- Experience with process safety and how process safety management systems are applied in industry is preferred.
- Sound knowledge of inspection and quality control methods and procedures.
- Sound knowledge of the functions and operations of the sewer and water systems in the District and of departmental procedures regarding engineering projects.
- Working knowledge of computer software applications and capabilities as related to the work performed.
- Ability to read and interpret architectural and engineering drawings and specifications, and P&IDs
- Ability to make moderately complex office and field engineering computations, prepare reports and estimate costs of construction and equipment.
- Ability to understand and carry out oral and written instructions with minimal supervision.
- Ability to arrange an effective work schedule, assign and check the work of draftspersons and perform a variety of clerical work related to District engineering functions.
- Ability to establish and maintain effective working relationships with external parties, public utilities, the public, member municipalities, government agencies, and District personnel.
- Skill in the use of surveying, drafting, and computing instruments.
- Superior mechanical and engineering aptitude.
- Driver's Licence for the Province of British Columbia.

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.

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