

**Position Description: Utility Systems Technical Controller (G783)**

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**PURPOSE OF POSITION:**

Operating and executing the Utility Systems Operating Plan; provides skilled technical expertise to operate or assist in directing others to operate to ensure the continuous safe and efficient remote operation of the Water Transmission and the Wastewater Collection Systems.

**DUTIES:** *(Duties described are intended to be representative of the position and are not to be considered as all-inclusive.)*

Assists in developing and executing the daily Utility Systems Operating Plan (USOP) for performance and supply criteria within the water transmission and wastewater collection systems for the USC.

Assists in developing, performing, and coordinating regular system preventative operations and maintenance procedures. Dispatches staff as required.

Detects divergence from the daily USOP and develops new plans and executes those plans as necessary to maintain performance criteria.

Provides feedback, identifies optimization opportunities, and works with others to resolve problems with the daily USOP.

Assists in providing final approval in the Maintenance Construction Schedule (MCS) clearance process to take water supply system equipment out of service; applies procedures as required by the MCS.

Assists with the commissioning and decommissioning of facilities and equipment.

Advises and provides information and guidance to field and plant staff when carrying out operations and maintenance work.

Develops and reviews documentation for operations, safety, and maintenance procedures.

Assists in coordination of Emergency Responses such as SCADA failures, water main breaks, equipment malfunctions, and power failures. Generates incident reports as required.

Monitors and analyzes trends, alarms and events in the water supply, treatment and wastewater collection systems; prepares reports.

Generates prioritized work request and/or SCADA Online Support (SOS) requests for immediate resolution when field equipment and/or SCADA malfunctions are reported.

Assists in the training of new Utility Systems Controllers.

Maintains and reviews logs, files and similar records related to the work. Advises the supervisor of any items requiring action.

**DUTIES (cont'd):**

Works in compliance with all Metro Vancouver policies, safety management system standards, procedures and WorkSafeBC regulations.

May act in the capacity of the Utility Systems Senior Controller when required.

Performs other related duties as required and/or assigned.

**REQUIREMENTS:**

Graduation from a two year Water Technology education program or related discipline (i.e. Water Resources, Wastewater technology, environmental sciences, environmental or chemical technology).

British Columbia EOCB Level II Water Distribution or Water Treatment Operator Certification, or equivalent Provincial certification. If there are no fully qualified applicants, applicants with lesser certification may be considered. The highest EOCB Water Distribution/Water Treatment Certificate achieved shall be maintained in good standing and a copy of the Certificate shall be filed in the employee file in Human Resources as proof of eligibility.

Progressive experience and responsibility in operating in a British Columbia EOCB Class II water distribution or water treatment system/facility with three (3) or more years experience. Experience operating the Metro Vancouver transmission control systems (SCADA/CDACS) is preferable.

Extensive knowledge of the operation of Metro Vancouver water supply and wastewater collection systems.

Demonstrated ability to effectively coordinate the work of others; demonstrated ability to establish and maintain effective working relationships. Ability to give clear direction and advice to operations and maintenance staff.

Demonstrated ability to effectively communicate verbally, and in writing; ability to respond calmly and effectively in an emergency situation.

Demonstrated initiative, including an affinity to learn new systems and processes.

Proven ability to work independently without direct supervision.

Demonstrated ability to overcome obstacles and apply innovative thinking to complex problems.

Ability to use a variety of software applications including process control, data acquisition, reporting and record keeping, word processing, spreadsheet applications, and email.

Ability to perform multiple tasks, establish priorities, and complete multiple projects within a defined timeline.

Demonstrated ability and experience in analytical and problem solving skills.

Physically capable of performing the duties of the position and a willingness and ability to work overtime as required.

Willingness and ability to be available for standby duties as required.