

SENIOR UTILITY TECHNICIAN

EXEMPT (Y/N): No	DIVISION: Utility Services
SALARY LEVEL: Grid 1, Band 18	DEPARTMENT: Infrastructure Services
SHIFT: Days	SUPERVISOR: Water Technician Coordinator
LOCATION: Outside	
APPROVED BY: Manager, Utility Services	DATE: Dec 2021
Replaces: Senior Utility Technician	DATE: Sept 2021

SUMMARY: Under the general direction of the Water Technician Coordinator or designate, the Senior Utility Technician provides some work guidance and information sharing to the Utility Technicians to ensure the efficient and continuous supply and treatment of potable water to the Sunshine Coast Regional District, and the efficient and effective treatment of the Sunshine Coast Regional District's sanitary sewer systems. Work is performed to ensure that service delivery meets the expectations of internal and external customers, in accordance with the appropriate regulatory and license requirements.

KEY RESPONSIBILITIES *include:*

1. Develops and performs procedures required for the operation, monitoring and maintenance of the Sunshine Coast Regional District potable water system, including safe work procedures, lockout procedures, standard operating procedures and emergency response plans.
2. Monitors and ensures that the quality of water distributed is consistently within established quality parameters.
3. Performs administrative tasks associated with the key responsibilities, such as, monitoring parts quantity, chemical inventories, inputting and reviewing data.
4. Leads projects and liaises with contractors and SCRD staff to organize, construct, complete and commission required maintenance or new construction projects.
5. Establishes work schedules for maintenance and assigns work to staff to ensure the completion of assigned work.
6. Responds to public concerns or requests for information, initiating remedial action or referring to the Superintendent as and when necessary.
7. Organizes workload, sets priorities and works with minimum supervision
8. Accurately records measurements, enters information into data base, analyses results and provides recommendations.
9. Assists with the operation and maintenance of all Sunshine Coast Regional District wastewater treatment facilities and sanitary sewer collection systems.
10. Effectively communicates and provides guidance and information to staff working on projects.

TYPICAL ACTIVITIES *include:*

1. Operates, adjusts or performs routine maintenance inspections on all facilities, pumps, motors, electrical equipment, level controls, meters, and regulating equipment in such structures as the water intakes, pumping stations, well stations, chlorinating stations, treatment facilities and valve chambers.
2. Performs routine inspections on all facilities, construction sites and equipment comprising the SCRD water/wastewater collection and treatment facilities.
3. Guides work and shares information with staff, some of the time.
4. Reads flow metres, gauges and other recording instruments to measure water output, consumption levels and chlorine levels.
5. Monitors the SCADA alarm system and reviews trending to verify proper operation of SCRD water treatment systems.
6. Collects and tests water samples for PH, turbidity, colour, suspended solids, TOC, alkalinity, hardness and

chlorine residuals

7. Assists in preparing annual drinking water reports.
8. Collects weekly bacti samples and quarterly and semi-annual samples.
9. Performs trouble-shooting and repairs on mechanical and electrical equipment, install, starts up, maintains, and repairs equipment, identifying and ordering parts as needed.
10. Prepares progress and final reports for projects.
11. Assists **Wastewater Technicians** with duties as required, such as lifting pumps, filters greater than 10kg.

QUALIFICATIONS, EDUCATION, AND EXPERIENCE

- Completion of grade 12 or equivalent.
- Diploma in a directly applicable discipline such as Water or Waste Water Treatment from a recognized institution or ninety (90) Continuing Education Units (CEU's) recognized by the EOCP.
- A minimum of seven (7) years' experience in water and waste water operations, preferably in local government, including at least two (2) years' supervisory experience in operations and work coordination along with two (2) years' Direct Responsible Charge (DRC) at a Class II or higher system/facility.
- Preference will be given to (4) years of post-secondary training/education in a directly applicable discipline such as Water or Waste Water Treatment from a recognized institution or 180 Continuing Education Units (CEU's) recognized by the EOCP, supplemented by a minimum of four (4) years' experience (minimum 7,200 hours) in water, waste water construction and/or operations, inclusive of two (2) years' Direct Responsible Charge (DRC) at a Class III or higher facility.
- Certified in the Environmental Operators Certification Program (EOCP) with a minimum of:
 - Water Treatment Level III, with Level IV preferred.
 - Water Distribution Level III, with Level IV preferred.
 - Wastewater Treatment Level I.
 - Certification as a Chlorine Handler.
- OFA Level I First Aid certificate with transportation endorsement, Confined Space Entry & Rescue certification, Valid fork lift certification, Transportation of Dangerous Goods (TDG) certification.
- Valid BC Class 5 driver's licence.
- Preference may be given to experience in surveying, pipefitting, plumbing, millwrighting, project coordination and layout.

OTHER SKILLS/KNOWLEDGE/INFORMATION

- Knowledge of methods, practices, tools and equipment as they relate to the maintenance of mechanical and electrical equipment, controls, instrumentation and SCADA systems that are used throughout the water and wastewater systems.
- Knowledge of applicable WorkSafeBC requirements, confined space entry & rescue, fall protection, WHMIS, transportation of dangerous Goods certificates and use of SCBA
- Demonstrated ability to operate measuring instruments, flow and process control equipment, compressors, pneumatic hammers, compactors, cutters, powered sewer augers, pumps, chain saws and other power or non-power tools.
- Knowledge of the principles of water chemistry, biology and physics as they relate to water distribution.
- Ability to organize workload, set priorities and work without supervision.
- Ability to accurately record measurements, enter into data base, analyse results and provide recommendations.
- Ability to operate a computer using standard software, i.e. e-mail, databases, cartographic, spreadsheets and word processing. (e.g. ifix, Cityworks, Unit 4 Business World, Microsoft Office)
- Ability to communicate effectively with SCR D staff and contractors.
- Ability to work effectively as part of a team.
- Required to respond to off-shift emergency calls, and is scheduled as part of a rotation to provide

coverage seven days per week.