

Treatment Plant Operator 1

Civic Works

REPORTS TO:	HEAD TREATMENT PLANT OPERATOR
DEPARTMENT:	MUNICIPAL SERVICES
SECTION:	CIVIC WORKS
LAST UPDATED:	JANUARY 2022
DIRECT REPORTS:	N/A

Position Summary

Monitors and records water input and treatment. Maintains pumps, treatment equipment, analyzers and meters. Monitors and maintains lift stations, pumping stations and PRV Stations. Monitors flows, pressures and the treatment process at the sewage treatment plant. Tests samples for conformance with provincial standards. Maintains equipment and performs building maintenance work.

Responsibilities

1. Monitors water input and flow on the SCADA system. Conducts regular water quality testing for chlorine, residuals, ultraviolet transmittance, etc. Inputs daily record on the WaterTrax system. Adjusts pumps and treatment equipment to maintain correct water flow and quality.
2. Maintains and operates pumps, treatment equipment, analyzers and meters, Troubleshoots and repairs chlorination system, maintains and repairs automatic valves, maintains pump houses, assists with electrical maintenance and installation.
3. Operates, monitors and maintains water treatment and control centre, chlorination equipment, water pumping stations, automatic control valves, reservoirs and PRV stations. Monitors systems on SCADA. Ensures Provincial standards are met.
4. Performs janitorial work at the treatment plant, lift stations, lagoon, water pump stations, valve chambers, etc.
5. Sets up confined space entry gear, troubleshoots and repairs lines, valves and pumps. Installs equipment and assists contractors.
6. Monitors flows, pressures and the treatment process at the sanitary treatment plant including the headworks, secondary treatment plant, UV system, lift station and sludge ponds. Monitors and maintains the north lagoon chlorination and aeration systems. Operates, monitors and maintains lift stations. Replaces pumps and floats and performs general upkeep of stations. Monitors systems using SCADA. Ensures Provincial standards are met.
7. Tests samples on a regular basis by chemical analysis such as suspended solids, chlorine, pH, BOD (biochemical oxygen demand), etc. with the use of pH meter, intricate weigh scales, chlorine tester, etc. Compares test results with provincial standards. Takes corrective action to ensure effluent discharge is within standards.

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8. Responds to sewer and water alarms.
9. Performs regular inspection duties.
10. Maintains equipment such as blowers, classifiers, gear systems, chlorine system and the headworks. Maintains a clean building, removes solids to the dump.
11. May occasionally supervise the work of another employee engaged in less complex duties.
12. Performs related work.

Qualifications

- Class 1 Wastewater Treatment Certificate and/or Class 1 Water Treatment Certificate, all to EOCP standards.
- Any class of Wastewater Collection Certificate and/or any class of Water Distribution Certificate, all to EOCP standards an asset.
- BC Driver's Licence Class 5.
- Grade 12 or GED.
- Municipal experience, in accordance with EOCP standards, in the operation, maintenance, repair of sewage and water equipment.
- Municipal experience, in accordance with EOCP standards, in the testing, sampling and analysis of sewage and water.
- Considerable knowledge of the standard practices, methods and equipment utilized in the operation, inspection and maintenance of sewage treatment plant, lagoon, pumping stations, sewer and water.