

Water Treatment Plant Operator

POSITION PERIOD

Full Time

JOB SUMMARY

The incumbent performs work involving the installation, maintenance, troubleshooting, repair, and adjustment of industrial machinery and mechanical equipment related to the water and wastewater sector.

ROLE AND RESPONSABILITIES

- Ensures maximum performance and efficiency of drinking water and sanitary sewer infrastructure;
- Implements, complies with, and enforces municipal occupational health and safety rules;
- Complies with occupational health and safety legislation and regulations;
- Builds, inspects, modifies, and ensures the efficient operation of new systems;
- Performs maintenance, lubrication, vibration analysis, and mechanical calibration of drinking water and wastewater infrastructure;
- Inspects, modifies, builds new systems, and performs maintenance, including lubrication, vibration analysis, and calibration of the following wastewater infrastructure:
 - Sewer lift and pumping stations
 - Wastewater treatment plant
 - Lagoon (mechanical air injection system)
 - Grit chambers
 - Sand traps
 - Overflow structures
 - Wet wells
 - Any other related facilities
- Inspects, modifies, builds new systems, and performs maintenance, including lubrication, vibration analysis, and calibration of the following drinking water infrastructure:
 - Wells
 - Recharge systems
 - Drinking water purification system (chlorinator)
 - Booster pumping stations

- Reservoirs
 - Treatment system (Mangazur)
 - Softening system (softener)
 - Pressure-reducing valves
 - Anti-corrosion system
 - Any other related facilities
- Collects water and wastewater samples for analysis;
 - Reads and ensures understanding of equipment operation and maintenance manuals;
 - Inspects and examines machinery and equipment to detect malfunctions and failures;
 - Adjusts and controls chlorine levels in drinking water;
 - Participates in the purchase of spare parts and maintains a reasonable inventory;
 - Participates in the purchase and maintenance of all tools and equipment;
 - Installs, aligns, dismantles, and moves fixed industrial machinery or mechanical equipment (pumps, fans, tanks, conveyors, etc.) using manual and power tools, in accordance with established plans;
 - Ensures construction and maintenance work is carried out in accordance with established standards, policies, laws, and procedures;
 - Ensures all work meets the standards and requirements of the Department of Environment and Health, as well as all municipal policies and guidelines in force;
 - Maintains all work sites, equipment, and vehicles in a clean, orderly, and safe condition;
 - Makes necessary corrections to improve the quality of work;
 - Performs any other related duties as requested by the supervisor, according to skills, qualifications, and abilities.

DESIRED QUALITIES

- Ability to work independently;
- Ability to communicate in both official languages (French and English), spoken and written;
- Attention to detail; works with precision and efficiency;
- Strong teamwork skills;
- Ability to take on challenges;
- Ability to maintain positive interpersonal relationships;
- Enjoys working with people

EDUCATION

- Post-secondary certificate in plumbing or a related field would be an asset;
- Knowledge of basic software such as Windows, Word, Excel, and Outlook, and ability to navigate the Web;
- Must obtain provincial certification in drinking water distribution and wastewater systems.

EXPERIENCE

- Knowledge of performing and interpreting vibration analysis results and alignment procedures;
- Knowledge and experience in the operation of mechanical drinking water treatment plants;
- Knowledge and experience with SCADA monitoring systems.

SKILLS AND REQUIREMENTS

- Ability to interpret instructions appropriately and act accordingly;
- Leadership skills and the ability to build collaborative interpersonal relationships;
- Strong organizational and work planning abilities;
- Excellent physical capacity and ability to perform manual labour;
- Strong analytical and problem-solving skills;
- Ability to take initiative;
- Interest in technical work;
- Strong communication skills;
- Minimum Class 3 driver's licence;
- Ability to work under pressure and meet deadlines;
- Availability to respond to emergencies outside regular working hours;
- Willingness to undertake and successfully complete all training required by the employer to meet established standards and job requirements.

Caution: The above statements reflect the characteristic elements of the identified job and are intended to describe the general nature and level of work performed and should not be construed as an exhaustive enumeration of all inherent occupational responsibilities, duties, abilities, and requirements. All staff members may, from time to time, be required to perform tasks outside the scope of their normal responsibilities, as required.