



Water Treatment Plant Operator - Job ID #2184

Job Title: Water Treatment Plant Operator

Status/Job Type: Permanent Full Time

Commission: Public Works

Department: Environmental Services

Union Affiliation: I.B.E.W (Water) – Full time

Number of Openings: 1

Rate of Pay: \$29.62 to \$37.31 per hour

Benefits Entitlement: Yes

Hours of Work: 40 Hours Per Week

Posting Date (4:30pm): October 17, 2024

Closing Date (4:30pm): October 31, 2024

Job ID #: 2184

Position Summary

Situated on the picturesque Grand River, the City of Brantford is a rapidly growing community of over 100,000 residents, located in the heart of Southern Ontario with direct access to Hwy. 403 and is in close proximity to the GTHA, Waterloo and Niagara regions. As a single-tier municipality, Brantford is responsible for the full spectrum of municipal service areas. We invite you to join our #TeamBrantford corporate culture with many progressive initiatives, including our hybrid work environment (within 200 km of the City of Brantford boundary). The City is committed to the professional development of our staff and invite you to come, grow with us!

The Corporation of the City Of Brantford requires a Water Treatment Operator for its Water Operations Division to operate the Holmedale Water Treatment Plant and Residual Management Facility (RMF). Reporting to the Superintendent, Water Treatment and Compliance, the Water Treatment Operator will be required to:

- Monitor, control, and respond to alarms for the water treatment process, water distribution system (reservoirs, pumping stations, and elevated tanks) and Residual Management Facility (RMF) using a Supervisory Control and Data Acquisition System (SCADA).
- Analyze, monitor and inspect water treatment and RMF processes and equipment (pumps, motors, filters, chlorinators, thickeners etc.) to ensure processes are operating within operational guidelines and regulatory requirements

- Make adjustments as required to optimize the water treatment process (production levels, chemical dosing, disinfection (primary, UV and secondary) and filtration) based on interpretation of analytical data trends
- Make adjustments as required to optimize the RMF process (chemical dosing, sludge wasting cycles, belt press operation) based on interpretation of analytical data trends
- Read and record data from instruments that measure plant chemicals flows, production flows, reservoir and tank levels, chlorine, turbidity, pressure and other important parameters
- Conduct routine water quality analyses at the water treatment laboratory (chlorine, UV254, pH, ammonia, total suspended solids (TSS) etc.)

Qualifications

Education (Degree/Diploma/Certifications)

- Two (2) year college diploma in Chemical, Environmental or Civil Engineering Technician/Technologist Diploma or an equivalent related discipline
- Applicant must have a valid Water Treatment Class 1 or higher issued by Ministry of Environment Conservation and Parks (MECP). Alternatively an applicant with a valid MECP Operator in Training (OIT) certificate in Water Treatment will be considered. Successful completion of the MECP Entry-Level Course for Drinking Water Operators will be considered an asset.

Knowledge/Skill/Ability

- Working knowledge of the following legislation, regulations, or requirements, including but not limited to the following as it relates to a Class IV Water Treatment subsystem:
 - Safe Drinking Water Act, 2002
 - O.Reg. 169/03, Ontario Drinking Water Quality Standards
 - O.Reg. 170/03, Drinking Water System
 - O.Reg. 128/04, Certification of Drinking Water System Operators and Water Quality Analysts
 - Procedure for Disinfection of Drinking Water in Ontario
- Working knowledge of Drinking Water Quality Management Standard (DWQMS)
- Municipal Drinking Water Licenses (MDWL) Drinking Water Works Permits (DWWP)

Demonstrated ability to:

- Identify problems; develop and evaluate options; and implement solutions utilizing reason, judgment, and prescribed resources

- Interpret and analyze data; identify challenges or opportunities; and make recommendations
- Interpret and apply policies and procedures and use reason and judgment to develop conclusions or solutions to problems
- Perform in a manner which is consistent with corporate and division goals, vision, mission, and values
- Intermediate time management, organizational, record-keeping, written communication, interpersonal, verbal communication, analytical, problem-solving, and leadership skills
- Basic computer literacy utilizing Microsoft Office Suite (Excel, Outlook, PowerPoint, and Word), SCADA (iFIX), Microsoft SharePoint and the Internet
- Exert effort to lift up to 50lbs., pushing, pulling, or carrying objects for short periods of time
- Bend, crouch, and kneel as well as a combination of sitting, standing and walking
- Work within a shift team on a 12 hour shift rotation. Coverage is required 24/7 both day and nights including weekends and statutory holidays
- Fulfill role of Operator in Charge (OIC) and Overall Responsible Operator (ORO) when appropriately licensed and trained.

Conditions of Employment

- Valid Ontario Class "G" Driver's License in good standing

To apply on-line, please visit the City of Brantford website at <https://careers.brantford.ca/> and click on **Current Opportunities**.

Closing date for applications: **Thursday, October 31, 2024, at 4:30 p.m.**

Qualified candidates please attach a detailed .pdf format resume & cover letter

Information gathered relative to this position will only be used for candidate selection.

We thank each applicant for taking the time and effort to submit your resume, however, only candidates to be interviewed will be contacted.

Our organization is committed to promoting the independence, dignity, integration, and equality of opportunity of persons with disabilities by ensuring the accessibility of our facilities and services. Accommodations are available for all parts of the recruitment and selection process.