

CITY OF HAMILTON

PUBLIC WORKS DEPARTMENT **(HAMILTON WATER DIVISION – PLANT OPERATIONS – 700 WOODWARD AVENUE, HAMILTON)**

MILLWRIGHT – I.U.O.E. LOCAL HOWEA

SUMMARY OF DUTIES

Perform all duties required by the trade of an Industrial Millwright including, but not limited to, the following: troubleshooting, repair, and operational and basic predictive and preventative mechanical maintenance duties on associated installations for the water & wastewater treatment facilities and outstations. This will involve exposure to varying climatic conditions, potential exposure to trace amounts of treatment chemicals, sludge, water and wastewater, working at computer terminals, and working at heights and in confined spaces.

This will involve exposure to varying climatic conditions, potential exposure to trace amounts of treatment chemicals, sludge, water and wastewater, working at computer terminals, and working at heights and in confined spaces.

GENERAL DUTIES

Maintenance of Pumps, including servicing and repair of pumps including, but not limited to, the following: impeller checking and repair/replacement, wear ring replacement, coupling and motor/gearbox alignment, seal and gland packing adjustment or replacement, bearing replacement, oiling and lubrication.

Maintenance of valves, servicing and repair and adjustment of valves, including outstation PRV valves servicing and repair, set up and calibration of pilot operated valve systems, pneumatic and hydraulic.

Maintenance, servicing and repair of various belt and screw conveyer systems including feed systems associated with industrial type machines

The minor servicing and repair of piping system and associated flanges, gasket collars and other type of piping joints.

Adjust, inspect and evaluate process performance and the equipment to optimize efficiency and effectiveness in accordance with established procedures.

Carry out various test procedures required to monitor equipment conditions. Including vibration checks, alignment checks, temperature checks, oil sampling and general overall conditional assessments.

Proficient in the use of the City's embedded maintenance software programs for water and wastewater treatment equipment.

Ability to proficiently use software applications such as MS Office (Word, Excel, & Outlook) to carry out necessary tasks.

Maintain logs and records pertaining to equipment performance and conditions in accordance with established procedures.

Perform housekeeping duties associated to industry practices in work areas as required.

Undertake all assigned duties in a safe and professional manner, complying with the City of Hamilton Safety Policies, and in accordance with the Occupational Health & Safety Act, WHIMS and all other applicable legislation.

Perform other duties as may be assigned, which are related to the normal job function.

Assist facility personnel in a variety of duties as required.

QUALIFICATIONS

1. Must hold a valid 433A Industrial Mechanic Millwright Certificate of Qualification with extensive experience in the water/wastewater industry or in large industrial plants such as manufacturing and/or utilities.
2. Training, certification and experience in metal fabrication, MIG (Metal Inert Gas) welding, TIG (Tungsten Inert Gas) welding, stick welding, maintenance machining, pipe threading/pipe fitting is an asset.
3. Proven knowledge, experience, and proficiency in using maintenance programs and routines related to water and wastewater treatment equipment or large mechanical industrial process equipment including pumps, gearboxes and valves.
1. Must be able to obtain by examination within probation period or already possess:
 - a. Operator-in-training Wastewater Treatment Certificate of Competency
 - b. Operator-in-training Wastewater Collection Certificate of Competency
 - c. Operator-in-training Water Treatment Certificate of Competency
 - d. Operator-in-training Water Distribution Certificate of Competency

In addition, must be able to obtain Level 1 certification in all classifications listed above within six (6) years to continue employment.

4. Must be self-motivated with a strong team working skillset, able to work both independently and as part of a team. Must excel at planning, organizing, and implementing work pertaining to breakdown and preventive maintenance on mechanical equipment.
5. Must possess a driver's license, Class 'G' or better valid in the Province of Ontario with a point-free driving record and/or a record found to be satisfactory to the City of Hamilton and able to maintain same.
6. Thorough knowledge and understanding of statutes, regulations, and by-laws affecting the department/section (e.g. Occupational Health & Safety Act Regulations, Environmental Protection Act, Safe Drinking Water Act).
7. Must be self-motivated with a strong teamworking skillset, able to work both independently and as part of a team.
8. Must excel at planning, organizing, and implementing work pertaining to breakdown and preventive maintenance on mechanical equipment.
9. To be able to perform this job function a person must be able to wear and maintain self-contained breathing apparatus and be able to pass a full face mask fit test.
10. Must be able to report on-call outside normal work hours and to report to various work sites.
11. Must have a high level of computer skills in the use of software applications such as MS Office (Word, Excel, & Outlook), asset management applications such as Hansen and Enterprise Asset Management.

12. Must have excellent hand/eye coordination and have sufficient physical strength and ability to independently and repeatedly lift, move, pull, push bend, reach, grip, step, walk, twist, climb, squat and carry objects weighing up to 23 Kg (50 lbs).
13. Must be able to work at heights and in confined spaces.

SALARY:
Salary Grade 7

HOURS:
40 per week

NOTE 1:
Must possess and maintain a Class "G" (or better) Driver's License valid in the Province of Ontario and a point-free driving record and or record found to be satisfactory to the City of Hamilton.

NOTE 2:
As a condition of employment, the successful applicant(s) will be required to obtain a satisfactory Criminal Record & Judicial Matters Check, at their own expense, prior to beginning work in this position.

THE INCUMBENT SHALL COMPLY WITH ALL HEALTH AND SAFETY POLICIES AND PRACTICES FOR THIS POSITION AND THE WORKPLACE.
