

# CITY OF HAMILTON

## PUBLIC WORKS DEPARTMENT

### (ENERGY, FLEET & FACILITIES MANAGEMENT DIVISION – Operations & Maintenance – Corporate – LOCATION – VARIOUS DOWNTOWN FACILITIES)

#### FACILITY MAINTENANCE TECHNICIAN - CUPE 5167

#### SUMMARY OF DUTIES

Report to the Supervisor, Facilities Management. Maintains, adjusts and repairs equipment and building systems. Repairs and install Fan systems, pumps, valves and piping. Operate hand and power tools. Adjust air handling system controls to maintain environmental conditions. Operate measuring instruments. Operate Oxy-acetylene torch set for the purposes of cutting heating and brazing. Oversee contractors on site. Work within all applicable Health & safety legislation and City of Hamilton policies.

#### GENERAL DUTIES

Conduct scheduled and unscheduled maintenance and repairs of mechanical equipment such as furnaces, boilers, heat pumps, cooling towers, humidifiers, circulating pumps, exhaust fans and air handling units.

Prepare plans and prioritize required equipment.

Monitor and test building safety devices such as sprinklers, alarms, generators, fire hoses and extinguishers.

Adjust air handling system controls to maintain environmental conditions through the building system computer.

Perform electrical repairs and troubleshooting as it pertains to equipment.

Repair all building indoor and outdoor lighting.

Repair doors, handles, hardware and overhead doors.

Install equipment such as pumps, chemical tanks, using copper, iron and PVC fittings. Perform minor maintenance such as hanging pictures, painting, and grounds clean-up.

Operate oxy-acetylene torch set for cutting, heating and brazing.

Perform maintenance and repairs to irrigation systems and spray pads. Repair fan systems, pumps, valves and piping.

Operate hand and power tools such as electric drill, electric tube cleaner, hammer and wrenches. Operate measuring instruments such as refrigeration gauges, scott air packs, gas monitors, relative humidity sensor, velometer, flow meter and gas analysis.

Perform housekeeping duties in mechanical rooms such as cleaning and painting.

Perform Type I and Type II asbestos removal.

Operate oxy-acetylene torch set for the purposes of cutting, heating and brazing.

Oversee work of contractors. Oversee students during work terms.

Perform duties of shift operator within guarded refrigeration plant as required under O. Reg. 219/01.

Complete chemical testing on both open and closed loop systems.

Work in accordance with the provisions of applicable Health and Safety legislation and all City of Hamilton corporate and departmental policies and procedures related to Occupational Health and Safety.

Perform other duties as assigned which are directly related to the major responsibilities of the job.

**QUALIFICATIONS**

1. Technical knowledge required of mechanical equipment (HVAC:boilers, furnaces, heat pumps, gas fired roof top units, cooling towers, chillers, generators, compressors, etc) and building systems (electrical, plumbing, life safety, etc). This includes previous experience in operation, maintenance, repair, and replacement of components of these systems.
2. Manage, operate and maintain large refrigeration or cooling systems in multiple types of facilities and plants and large air conditioning/Handling systems in commercial and institutional buildings.
3. A current Ontario Certificate of Qualification as a Refrigeration and Air Conditioning Mechanic is preferred.
4. A valid certificate as a 4th Class Stationary Engineer. As a condition of employment, the successful applicant may be required to obtain a satisfactory Criminal Reference Check/Vulnerable Sector Screening and all clearances required by the RCMP.
5. Previous related experience in maintaining chillers, boiler compressors, diesel and gas generators, and main air handlers mandatory.
6. Demonstrated knowledge of asbestos awareness and removal.
7. Must have knowledge of appropriate authority safety rules.
8. Ability to work independently prioritizing changing demands and requests and executing with minimal supervision to achieve best possible outcome. Strong interpersonal and communication skills to relate and respond readily to front line staff, City departments and the general public.
9. Strong computer skills (Outlook, Word, Excel) including experience and knowledge of computerized HVAC/BAS systems and associated controls, components and software.
10. Previous experience utilizing work order/computerized maintenance management systems is considered an asset.
11. Must be able to communicate effectively, both verbally and in writing.
12. Must have a valid Class "G" driver's Licence. Demonstrated ability to repair and maintain various types of equipment and buildings. Manage, operate and maintain gas/air compressor and generation systems, etc.
13. Must be able to work afternoons and weekends as required.
14. Must be physically capable of lifting/carrying up to 50 lbs.
15. Must have experience with working at heights and associated training and certification.

**THIS POSITION REQUIRES A VALID CLASS "G" DRIVER'S LICENCE AND PROOF THEREOF IS REQUIRED AFTER HIRE**

**NOTE 1:**

**JOB DESCR ID 3451**

Depending on location, as a condition of employment, the successful applicant may be required to obtain a satisfactory Criminal Record & Judicial Matters Check or Vulnerable Sector Screening and all clearances required by the RCMP.

**NOTE 2:**

Must possess and maintain a Class "G" 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 3:**

This position may require the incumbent to work afternoons and weekends.

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