



IDENTIFICATION

Government of
Northwest Territories

Department	Position Title	
Infrastructure	Plumber/Gasfitter/Oil Burner Mechanic	
Position Number	Community	Division/Region
33-1051	Inuvik	Facilities/Beaufort Delta

PURPOSE OF THE POSITION

To perform Preventative Maintenance checks: service and repair the plumbing and heating ventilation and fire protection systems in all Government owned and operated buildings and service and repair community water and sewage facilities in all Government of Northwest Territories (GNWT) owned and operated assets in Inuvik and the Beaufort Delta area and occasional travel to the Sahtu Region.

SCOPE

This position is located in Inuvik and performs plumbing/gas fitting services, preventative maintenance and repairs for GNWT owned, and operated buildings in Inuvik and the Beaufort Delta Region. This position reports to the Maintenance Coordinator of Communities.

This position ensures GNWT owned and operated buildings environments are safe through preventative maintenance checks, identifying repairs to correct deficiencies and completion of inspection reports.

The Mechanic maintains plumbing and heating equipment to GNWT buildings to ensure safe and efficient operation through testing and installation of replacements of equipment on boilers, furnaces and heating, ventilation, and air condition systems.

This position makes checks on work completed by contractors to ensure compliance with plans, specifications, and governing codes. This position is expected to complete reports on all maintenance and repairs to plumbing, heating and water systems and equipment within the Beaufort Delta Region.

RESPONSIBILITIES

1. Ensures satisfactory operations and inspect plumbing systems, ventilating systems, hot water heating systems, and equipment in Government buildings, by:

- Conducting regular preventative maintenance checks of plumbing and heating systems and equipment, including all mechanical installations and heat recovery
- Diagnosing faults in plumbing and heating systems in accordance with the Maintenance Management System.
- Identifying repairs required and correcting deficiencies.
- Completing inspection reports on deficiencies.
- Installing, repairing, and servicing all-natural gas and fuel oil systems in the GNWT buildings.

2. Maintains plumbing, hot water and forced air heating equipment in Government buildings to ensure a safe and efficient operation, by:

- Repairing and replacing boilers, furnaces and heating, ventilation, and air conditioning (HVAC) systems.
- Repairing, testing, and calibrating HVAC control systems both electric and pneumatic.
- Repairing and replacing plumbing equipment, such as: bathroom and laundry fixtures, sump pumps, sewage systems, water supply and hot water tanks.
- Installing complete plumbing and heating systems.
- Repairing or replacing frozen sewer and water systems.
- Repairing or replacing mechanical insulation on pipes, tanks, boilers, breeching, ducting, etc.
- Troubleshooting problems in heating, ventilation and plumbing systems.
- Repairing sprinkler and fire alarm systems, including piping, heads, dry valves, fire pumps, jockey pumps, and all related controls.

3. Checks work on plumbing and heating and ventilation systems performed under contract to ensure compliance with plans, specifications and governing codes, by:

- Installing, repairing, and servicing all propane and fuel oil systems in the GNWT buildings
- Troubleshooting problems in heating, ventilation, and plumbing systems in GNWT buildings
- Reviewing plans and specifications for renovations and new construction projects.
- Conducting inspections of all plumbing and heating installations.
- Identifying any deficiencies in workmanship.
- Completing inspection reports.

4. Maintains community water systems to ensure satisfactory operation, by:

- Conducting regularly scheduled maintenance, and conducting repairs or replacements on water intakes, pumps, frost protection, etc.

- Conducting regularly scheduled maintenance, repair and replacement of water storage tanks and piping, delivery and circulation pumps, heat exchangers, and other related equipment.
- Conducting regularly scheduled maintenance, repair and replacement of piped waste and sewage systems, controls, heating systems, pumps, insulation, and services to GNWT buildings.

5. Completes records for all maintenance and repairs to plumbing, heating and equipment, by:

- Identifying supplies required to complete jobs and compiling material lists.
- Completing work orders for all work assignments indicating materials used, work accomplished, and time required to complete jobs.
- Accounting for eight hours of time daily plus any overtime hours.

6. Performs other duties such as:

- Supervising and training apprentices and casual staff
- Testing and repairing fire extinguishers and sprinkler systems.
- Controlling the use of materials and supplies from the trades shop.
- Assisting other tradespeople as required.
- Providing advice to the Settlement Maintenance Supervisors on the methods and equipment required to perform basic repairs
- Working overtime and on-call as required.
- Refrigeration and air conditioning service repairs

WORKING CONDITIONS

Physical Demands

- Frequently, the incumbent works in cramped, awkward, confined spaces and in hazardous conditions for 2hrs per day.
- Lifts and moves heavy objects in cramped awkward, confined spaces; frequently for 2hrs per day, 3 times per week.
- Heavy lifting and moving of boiler sections, large electric motors, pumps, piping; frequently for items up to several hundred pounds, for 4hrs per week.
- Uses safety equipment such as goggles, masks, gloves, coveralls, safety boots, other special equipment may also be required; frequently, for 6hrs per day.
- Operated hand and power tools and testing equipment; frequently, 2hrs per day.

Environmental Conditions

- Works in obnoxious odors (sewer systems, steam/hot water & chemicals); occasionally, 2hrs per day, 2 times per week.
- Works in extreme cold or hot conditions; frequently, 3hrs per day.
- Works with propane and oil-fired appliances and boilers; occasionally, 4hrs per week.

Sensory Demands

Must be focused on sounds and hand/eye coordination; frequently, 8hrs per day.

Mental Demands

- Responds to emergencies at all hours; frequently, 4hrs per week. Travel to communities in small aircraft and in various weather conditions; frequently, 16 hrs per month.
- Ice road travel to small communities; winter months, 120 hrs per month.

KNOWLEDGE, SKILLS AND ABILITIES

- Knowledge and ability to complete repairs and installation, in accordance with Plumbing and Heating Codes.
- Knowledge of, and the ability to use, the metric system.
- Basic electrical knowledge is essential.
- Hazardous Goods Knowledge (chemical mixes and cleaners).
- Knowledge of Computer Building Operator Systems (Honeywell, XBS 5000).
- Ability to inspect plumbing and how water systems and equipment.
- Ability to supervise and train apprentices and casual staff.
- Ability to maintain accurate records.
- Ability and willingness to keep up to date with technology.

Typically, the above qualifications would be attained by:

1. A Journeyperson's Certification as a Plumber and Gasfitter and 3 years of directly related experience.
2. Certification as an Oil Burner Mechanic
3. Class 5 Operating Engineer or 2 year related experience would be an asset
4. Eligibility to register for First Class NWT Gasfitter Certification would be an asset.
5. Incumbent must possess a Class 5 Northwest Territories' Driver's License.

ADDITIONAL REQUIREMENTS

Position Security (check one)

- No criminal records check required
- Position of Trust – criminal records check required
- Highly sensitive position – requires verification of identity and a criminal records check

French Language (check one if applicable)

- French required (must identify required level below)
Level required for this Designated Position is:
ORAL EXPRESSION AND COMPREHENSION

Basic (B) Intermediate (I) Advanced (A)
READING COMPREHENSION:

Basic (B) Intermediate (I) Advanced (A)

WRITING SKILLS:

Basic (B) Intermediate (I) Advanced (A)

French preferred

Indigenous Language:

Required

Preferred