

## **The Maryland-National Capital Park and Planning Commission**

TITLE: Plumber II                      GRADE: T05                      DATE: 3/8/2023  
SERIES: Building Trades              CODE: 2454      EEO: Skilled Craft              FLSA: Non-Exempt

### Class Definition:

Under general supervision, performs the full range of difficult, skilled plumbing and gas fitting work involving considerable responsibility, complexity and variety. Performs installation, maintenance, modification, and repair of plumbing/gas fitting systems at Commission buildings, structures and property. May direct activities of other Plumbers, Trades Apprentices and Park/General Maintenance Workers who support skilled trades workers. Work is checked by Inspectors, Trades Shop Supervisors, and Plumber III's. Applies considerable knowledge of standard plumbing practices and methods, the Washington Suburban Sanitary Commission (WSSC) plumbing/gas fitting codes and National Fuel codes, building, and fire codes, and piping systems involving water, sewer, natural gas, propane gas, air and venting requirements. Performs various types of analyses and makes the full range of calculations. Interacts with people inside and outside the work unit to exchange routine and non-routine information. Performs other duties, as assigned.

Assignments are made in terms of ongoing functional responsibilities and requirements of specific assignments. The incumbent independently plans and carries out the work in conformance with established policies and procedures and accepted practices, resolves commonly encountered work problems and deviations by selecting and applying the appropriate guideline(s), keeps the supervisor informed and brings procedural exceptions to the supervisor's attention for guidance or resolution. The work is expected to be accurate, timely and consistent with guidelines – the incumbent is held responsible for results; work is evaluated in terms of quality, quantity, timeliness, teamwork, customer service and other factors.

### Examples of Important Duties:

1. Receives work orders for plumbing/gas fitting projects; reads and interprets building plans, blueprints, sketches and mechanical drawings to determine equipment, materials and methods. Inspects and troubleshoots plumbing systems for problems, damages or necessary repairs; recommends corrective action and prepares repair estimates. Contacts inspectors to schedule inspections of projects.
2. Performs difficult plumbing and gas fitting work in Commission facilities; installs, repairs and maintains circulatory pumps involving potable water, domestic hot water, pool heaters, hot water exchange coils and irrigation systems. Adjusts valves, gauges and controls to maintain flow and pressure to service and maintain Commission facilities involving potable water, fire sprinklers and irrigation sprinklers; installs, tests and certifies back flow prevention devices and repairs or replaces as required to protect potable water supply. Locates and taps main headers, route and cut openings, place hangers for level and slope and determines type and location of and installs valves, traps and unions needed for proper operation and maintenance of systems. Determines unique construction design and materials necessary for historic structures.

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3. Uses a variety of tools and equipment to install, maintain, repair, replace or modify plumbing systems and natural gas and propane piping systems in compliance with Washington Suburban Sanitary Commission (WSSC) codes and national fuel codes; measures, cuts, threads, assembles and solders pipes, fixtures, parts and equipment. Operates water pumps to remove water from flooded buildings and other areas; operates back hoes or trenchers to install underground piping, water and sewer lines.
4. Completes required administrative paperwork and recordkeeping, such as automated work order systems.
5. Maintains inventory and assigns appropriate equipment, tools, safety equipment and vehicles to crew; makes purchases and checks invoices to ensure materials are received and delivered. Solicits quotes from required vendors to accomplish work and troubleshoot work progress or equipment.
6. Drives motor vehicles to carry workers and haul tools, equipment, materials and supplies to job sites; loads and unloads trucks of tools, equipment, supplies and materials. Uses a variety of equipment to move materials; provides routine maintenance of vehicles and equipment. Takes assigned vehicles to garage for maintenance and repair.
7. Assigns, trains and checks work of other Plumbers, Trades Apprentices and Park/General Maintenance Workers who support skilled trades workers; provides instructions and assists with training on proper procedures, trade methods, and safety.
8. Utilizes personal protection equipment such as seat belts, respirator or eye protection while performing duties; contacts utility company before digging. Performs critical Americans with Disabilities Act (ADA) compliance work to remove barriers; sets up equipment and tools safely at job sites and provides instruction on proper use and safety measures. Notifies supervisor immediately of any accident and injury.
9. Attends training to increase knowledge, awareness and safety.
10. Complies with Commission's practices regarding recycling and disposal.

### Important Worker Characteristics:

- A. Considerable knowledge of: (1) standard plumbing practices and methods; (2) Washington Suburban Sanitary Commission (WSSC) plumbing/gas fitting codes and National Fuel codes; (3) Maryland Occupational Safety and Health (MOSH) and Occupational Safety and Health Administration (OSHA), building, and fire codes; (4) piping systems involving water, sewer, natural gas, propane gas, air and venting requirements; (5) Commission policies and procedures\*; and (6) hazardous materials.

*\*Typically acquired or fully developed primarily after employment in this job class.*

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- A. Skill in operation of: (1) plumbing hand and power tools; (2) light construction equipment (e.g., skid loader, forklift); (3) motor vehicles; and (4) appropriate office equipment.
- B. Ability to: (1) calculate fractions, decimals, and percentages; (2) complete work orders and other work-related paperwork; and (3) obtain cardiopulmonary resuscitation (CPR) and first aid certifications.
- C. Skill in problem solving to select, organize and logically process relevant information (verbal, numerical or abstract) to solve a problem. Examples include understanding and applying principles to solve practical problems.
- D. Skill in communication to understand verbal and written information (including facts, descriptions and ideas) and to express such information verbally so that others will understand. Examples include reading and interpreting blueprints, building plans, sketches, and schematic drawings to determine the type of equipment, materials, and methods to utilize.
- E. Interpersonal skills to interact effectively with business contacts in a businesslike, customer service-oriented manner; this includes skill in establishing and maintaining effective working relationships and working as a member of a team.

### **Minimum Qualifications:**

- 1. High School diploma or Certificate of General Educational Development (GED).
- 2. Completion of an approved plumbing/gas fitting apprentice program or four (4) years of progressively responsible experience.
- 3. Two (2) years of experience at the journey level.
- 4. An equivalent combination of education and experience may be substituted, which together total six (6) years.
- 5. Valid Journey Plumber License and Gas Fitter Certification issued by appropriate local jurisdiction.
- 6. Valid driver's license in accordance with both State and Commission rules and regulations. Driver's license must be unencumbered by restrictions, revocations, suspensions, or points that could limit the employee's ability to drive Commission vehicles or perform driving duties required by the position of assignment.
- 7. Depending on area of assignment, a valid Commercial Driver's License (CDL) with appropriate endorsements may be required.
- 8. Pass Commission medical examination.

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### Working Conditions:

Occasionally performs work indoors and outdoors; exposure to varied weather conditions, confined spaces, heights, raw sewage, sewage odors, chemical odors and hazardous materials. Must be available to work during emergencies. Positions in this class occasionally remains in a stationary position, move about inside the office and outside, operate vehicles, tools and equipment, ascend and descend ladders and stairs, work at heights, position self to complete manual work, pull and use fingers to perform plumbing work, be able to view directions and numbers on equipment, move equipment, tools and objects weighing up to 75 pounds.

### Examples of Plumber Work:

- Performs plumbing system rough-ins to include ground work, waste vent, water piping, fixture and hardware installation per codes.
- Installs and maintains natural gas and propane systems.
- Performs tests and installs back flow preventer devices.
- Locates water lines.
- Replaces new lines from meter to water cut off in buildings.
- Installs gas lines for heating system and hot water units.