

As a Plumber Pipefitter, you will inspect, repair and maintain the Airports Authority's plumbing and utility distribution systems.

### **JOB DESCRIPTION**

- Plumber Pipefitter
- This is the journey (full performance) level job in the Plumber Pipefitter series.
- Reports to Plumber Pipefitter Supervisor or Leader working independently or in a team at journey-level directing lower grade workers providing assistance necessary.
- Serves in the Utilities Division of the Engineering and Maintenance Department at either Ronald Reagan National Airport (DCA) or Washington Dulles International Airport.

Inspects, maintains, repairs, installs and modifies plumbing and distribution piping systems which may include fire suppression, domestic water, natural gas, storm water, sanitary sewage systems, industrial waste, compressed air, steam, High Temp Hot Water, Hot Water and Chilled Water systems. Performs related functions.

### **GENERAL RESPONSIBILITIES**

- Installs pipes, plumbing and related equipment.
- Makes emergency repairs on various utility service lines; may design/fabricate parts for older equipment.
- Performs preventive maintenance/corrective maintenance on industrial waste, sanitary sewer and storm sewer systems including various valves, pumps and related equipment. Uses high-pressure vacuum/water jet sewage truck to clean lift stations and distribution sewer mains.
- Performs preventive/corrective maintenance on domestic water system including various valves, pumps, fixtures and related equipment. Inspects, tests and repairs backflow preventers. Flushes fire hydrants, operate valves, locate lines, perform leak detection surveys.
- [At DCA] Performs preventive maintenance/corrective maintenance on HVAC mechanical piping distribution system (Hot Water, Chilled Water, High Temp, Hot Water and Steam) including various valves, pumps and related equipment. Overhauls steam pressure regulators used to reduce steam pressure.
- Performs preventive maintenance/corrective maintenance on fire protection system including various valves, hydrants, devices, air compressors and related equipment.
- Performs utility line verification on airport utility systems using blueprints and locator equipment.
- Performs fire suppression and fire pump testing in accordance with National Fire Protection Association (NFPA) Code 25.
- [At IAD] Performs preventive maintenance/corrective maintenance on natural gas systems in accordance with the IAD Operation and Maintenance Manual, follows mandated Emergency Plan and Operator Qualification Plan.
- May take monthly meter readings for natural gas and domestic water systems.
- Reports the need for repairs to the work order desk. Completes work orders when work is completed and updates preventive maintenance records.

- Helps collect water samples (for chlorine) in compliance with Environmental Protection Agency (EPA) and state regulations.
- Performs Utility Outages to ensure safety to workers, property and the traveling public.
- Performs other duties as assigned.

## **QUALIFICATIONS**

- Four years of progressively responsible experience in maintenance and repair of plumbing and pipefitting equipment and systems.
  - Included in these four years of experience must be one year specializing in installation, test, diagnosis, maintenance, and repair of a range of plumbing and piping equipment and systems such as, but not limited to, fire protection, domestic water, natural gas, sanitary and storm sewage systems, and fuel distribution systems; pipelines from 1/4 to 72 inches, fire protection sprinklers, fire hydrants, valves, pumps, pressure regulators, joints and fixtures, and related equipment. This includes knowledge of the theories, principles, requirements, and standards of the plumber-pipefitter trade.
  - A Journey License as a Plumber, Pipefitter or Natural Gas Fitter is evidence of four years of progressively responsible plumbing trade experience but is not, by itself, evidence of the one year of experience specializing in test, diagnosis, maintenance, and repair of a range of plumbing-piping equipment and utility systems, as specified.
- Journey level knowledge of plumbing-pipefitting to independently inspect, maintain, repair, install, and modify fire suppression, domestic water, natural gas, storm water, sanitary sewage and distribution systems.
- Knowledge of building and plumbing codes and skill in interpreting and applying building plans, blueprints, and perform shop mathematics.
- Skill in installing and operating relief valves, check valves, pressure regulators, expansion joints and other devices that control increases and decreases in pressure, flow, circulation and expansion in piping systems.
- Skill in using tools, technical manuals, schematics, materials, and other equipment and guides in journey level plumbing-piping work.
- Ability to work safely and knowledge of the safety rules, regulations and procedures needed to do so.
- Ability to speak and write effectively.
- Skill in using a computer, computerized work order and time and attendance system.

## **PREFERRED QUALIFICATIONS**

- A Journey or Master Plumber, Pipefitter, or Natural Gas Fitter license.
- A Class B commercial driver's license (CDL).
- Certification as Backflow Prevention Assembly Tester (BPAT) from the Virginia Department of Professional and Occupational Regulation (DPOR).
- [IAD only] Certification as Pipeline Operator Qualified (OQ) as determined by the Department of Transportation (DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA).

## **EDUCATION**

- A high school diploma, a Certificate of General Educational Development (GED), or an equivalent combination of education, experience, and training.

## **CERTIFICATIONS AND LICENSES REQUIRED**

- A state driver's license in good standing.
- A valid Class B CDL within 90 days of hire or placement into the position.
- BPAT License within one year of hire or placement into the position.
- [IAD only] DOT Pipeline OQ Certification within one year of hire or placement into the position.

## **NECESSARY SPECIAL FACTORS**

- Operates vehicle airside and landside (requires AOA permit).
- May work in cramped positions, kneel, stoop and move objects weighing up to 50 pounds.
- May be exposed to extreme heat/cold, toxic substances/gases, odors and fumes, raw sewage, possible burns from heat and chemicals, and falls. Wears personal protective equipment.
- Is subject to hold over or recall on a 24 hour basis for essential services and emergencies.
- May be required to work various shifts, night hours, or weekends as needed.
- Work is typically reviewed in progress and upon completion for quality, quantity, timeliness, teamwork, customer service, and other factors