



For the future of every student

CLASS TITLE: PLUMBER II

BASIC FUNCTION:

Under the direction of the Maintenance Manager, perform a variety of highly-skilled plumbing activities involved in the installation, maintenance and repair of plumbing fixtures and systems in District buildings and facilities; maintain and repair steam and hot water boilers, heaters and heating systems.

DISTINGUISHING CHARACTERISTICS:

The Plumber II classification is the advanced-level classification in the series. Incumbents perform the more complex plumbing assignments, and responsibilities involve testing backflow devices and maintaining heaters, boilers and water heating systems. The Plumber I classification is responsible for performing journey-level duties in the maintenance and repair of plumbing systems and equipment.

REPRESENTATIVE DUTIES:

ESSENTIAL DUTIES:

Perform a variety of highly-skilled plumbing activities involved in the installation, maintenance and repair of plumbing fixtures and systems in District buildings and facilities; maintain District plumbing lines in safe and sanitary working condition; assure compliance with building codes applicable to the plumbing trade.

Install, maintain and repair pipes, washers, gaskets, faucets, floats, valves, control devices, pumps, toilets, urinals, drinking fountains and other fixtures, parts and equipment; replace leaking and defective parts in plumbing fixtures and systems; replace equipment and fixtures as needed.

Maintain and repair steam and hot water boilers, heaters and heating systems; replace heating system pipes, test for and repair gas leaks, and repair safety controls; install a variety of fixtures used to provide hot potable water including water heaters, boilers, pumps, pipes, valves, clocks and relays.

Inspect and repair water leaks and general system failures; troubleshoot and resolve highly complex plumbing system problems and malfunctions; test plumbing system operations and inspect, diagnose and resolve plumbing problems in bathrooms, kitchens, classrooms and other District facilities.

Clean out drains and remove obstructions from water and sewer lines, systems, pumps, toilets, urinals and drinking fountains; repair or replace damaged water and sewer pipes, fittings and lines; rebuild and replace valves and faucets; install, test and maintain backflow devices.

Estimate labor, material and equipment needed for assigned projects; prepare cost estimates; monitor inventory levels of materials and equipment; order, receive and maintain adequate inventory of materials and equipment.

Plan, organize and lay out assigned tasks; interpret diagrams, blue prints, sketches and specifications; prepare rough drafts of projects; work from verbal and written instructions and work orders.

Operate a variety of specialized equipment including various hand and power tools; drive a vehicle to conduct work.

Maintain and repair fire sprinkler systems and related lines, pipes, valves, sprinklers, controllers, pumps

and other components and equipment.

Participate in Department-wide projects and assist other trades workers with maintenance and repair projects as needed.

Communicate with District personnel and various outside agencies to exchange information and resolve issues or concerns.

Perform preventive maintenance inspections and servicing on plumbing systems and equipment.

Maintain various records related to work orders, projects, backflow tests and assigned activities.

Maintain work areas, equipment and tools in a safe, clean and orderly condition.

Attend and participate in various trainings and in-services.

OTHER DUTIES:

Perform related duties as assigned.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

Methods, procedures, equipment and materials used in the plumbing trade.

Building codes related to the plumbing trade.

Operation and maintenance of tools and equipment used in the plumbing trade.

Proper methods of storing equipment, materials and supplies.

Maintenance and repair of boilers, heaters and water heating systems.

Techniques used in routing and testing plumbing lines.

Proper methods of backflow testing.

Technical aspects of the plumbing trade.

Appropriate safety precautions and procedures.

Oral and written communication skills.

Shop math applicable to the building trades.

Record-keeping techniques.

Proper lifting techniques.

ABILITY TO:

Perform a variety of highly-skilled plumbing activities involved in the installation, maintenance and repair of plumbing fixtures and systems in District buildings and facilities.

Maintain District plumbing lines in safe and sanitary working condition.

Plan and lay out plumbing work.

Inspect and test plumbing systems to determine maintenance and repair needs.

Replace defective parts and components as necessary.

Maintain and repair steam and hot water boilers, heaters and heating systems.

Install, test and maintain backflow devices.

Read and work from diagrams, blue prints, sketches and specifications.

Observe health and safety regulations and procedures.

Communicate effectively both orally and in writing.

Work cooperatively with others.

Meet schedules and time lines.

Understand and follow oral and written instructions.

Work independently with little direction.

Maintain various records related to work performed.
Establish and maintain cooperative and effective working relationships with others.
Maintain regular and consistent attendance.

EDUCATION AND EXPERIENCE:

Any combination equivalent to sufficient experience, training and/or education to demonstrate the knowledge and abilities listed above. Typically, this would be gained through: graduation from high school supplemented by completion of an approved apprenticeship program in the plumbing trade and four years journey-level experience in the installation, maintenance and repair of plumbing fixtures and systems including work with backflow devices, water heating systems and boilers.

LICENSES AND OTHER REQUIREMENTS:

Valid California driver's license.
Valid Backflow Prevention Device Tester's license.

WORKING CONDITIONS:

ENVIRONMENT:

Indoor and outdoor work environment.
Regular exposure to fumes, dust and odors.
Driving a vehicle to conduct work.

PHYSICAL DEMANDS:

Dexterity of hands and fingers to operate specialized equipment and tools.
Hearing and speaking to exchange information.
Seeing to read and perform plumbing functions.
Lifting, carrying, pushing or pulling heavy objects as assigned by the position.
Reaching overhead, above the shoulders and horizontally.
Bending at the waist, kneeling or crouching.
Sitting or standing for extended periods of time.
Heavy physical labor.
Climbing ladders.

HAZARDS:

Working around and with machinery having moving parts.
Working at heights.
Working in a cramped or restrictive work chamber.
Exposure to vapors and fumes.