

**PLUMBER (3443)**  
**TASK LIST - 2023**

1. Measures, cuts, bends, threads, and reams pipe to required angle using hand and power tools or machines (e.g., pipe cutters, pipe-threading, and pipe-bending machines) in order to ensure proper working conditions of the pipe.
2. Installs and repairs vitrified clay, plastic, copper, cast iron, galvanized, and black steel pipe and pipe joints for water and drainage systems, air, natural gas and liquefied petroleum gas lines, sewers, vents, irrigation, and sprinkler systems using appropriate hand and power tools or machines in order to be in accordance with blueprints, sketches, local building codes, and oral or written instructions.
3. Installs, repairs, and replaces plumbing fixtures such as sinks, basins, toilets, urinals, water cooling systems, drinking fountains, water filters and softeners, storage tanks, pumps, and kitchen plumbing equipment using appropriate hand and power tools or machines in order to be in accordance with blueprints, sketches, local building codes, and oral or written instructions.
4. Repairs defective pipe assemblies, valves, and fittings using couplings, clamps, screws, bolts, cement, plastic solvent, caulking, or by soldering or brazing in order to ensure proper working conditions.
5. Opens clogged pipe lines and cleans sink traps with a plunger, plumber snake, or jetting equipment in order to ensure proper water and air flow.
6. Repairs pressure regulators on water, air, and gas lines using hand and power tools in order to ensure proper pressure and prevent leaks.
7. Installs and maintains (e.g., cleans and regulates) gas appliances such as stoves, water-heaters, heaters, and air conditioners using hand and power tools in order to ensure safe operating conditions.
8. Prepares written requisitions for plumbing materials and supplies using the correct terminology in order to maintain inventory and ensure availability of items required to complete the necessary installations and/or repairs.
9. Inspects plumbing and irrigation systems in order to identify causes of problems and/or failures and to identify repair and/or replacement needs.
10. Oversees and is responsible for lower-level workers/assistants who are assisting in pipe cutting and preassembly and installation of industrial plumbing systems and components in order to provide information for decision making, taking appropriate action, and/or complying with building and safety regulations.

11. Installs, modifies, and maintains fire protection systems (e.g., deluge, dry chemical, combination wet and dry systems, wet and dry standpipes) in order to be in accordance with local building codes.
12. Tests various types of backflow prevention devices, reduced pressure check-valves, and vacuum breaker valves in order to identify repairs and/or replacement needs if necessary.
13. Reviews blueprints, building codes, and specifications in order to plan and complete projects in accordance with applicable codes and standards.
14. Maintains boilers and pressurized piping systems that may have pressure over 100 psi in order to ensure safe operating conditions.
15. Installs and maintains fuel systems using hand and power tools or machines in order to provide enhanced and/or upgraded capabilities.
16. Works with engineers on technical and practical factors that should be considered in the installation and maintenance of plumbing systems in new construction or remodeling projects in order to gather information required to perform job functions.
17. Prepares detailed written materials (e.g., repair status, activity logs, and assignment records) in order to document activities and/or convey information.
18. Transports a variety of tools, equipment and supplies using City vehicles in order to ensure the safe delivery and availability of materials required at job sites.
19. Inspects a variety of tools and equipment prior to performing any plumbing activities in order to ensure safe working conditions.