**Class Summary**

The responsibilities of this classification include maintaining, repairing, modifying and constructing plumbing, mechanical and structural systems in King County facilities.

**Distinguishing Characteristics**

This is the first level in a three-level Plumbing and Mechanical classification series. Incumbents in this classification perform journey-level plumbing and mechanical activities, including preventive maintenance, repair and replacement and equipment installation and removal. It is distinguished from Plumbing and Mechanical I - Lead in that incumbents in Plumbing and Mechanical I - Lead perform lead duties.

**Examples of Duties**

1. Plan and develop a preventive maintenance program; perform preventive maintenance on plumbing and mechanical systems and system components.
2. Repair and replace plumbing and mechanical systems and system components.
3. Maintain, repair and modify fire-protection safety equipment and fire sprinkler systems, lawn sprinkler systems and main-line fans.
4. Maintain induction and air handling units; clean and inspect all equipment.
5. Maintain refrigeration service.
6. Repair and maintain facility’s structure; perform minor repairs to building’s plumbing, low-voltage electrical systems and door hardware.
7. Coordinate maintenance for pool water sanitation and related pool environment equipment.
8. Design, size, lay out and install waste, vent and domestic water distribution systems.
9. Mount/install plumbing fixtures, trim and related hardware/accessories.
10. Maintain plumbing fixtures from source to local sewer systems.
11. Estimate and evaluate plumbing projects.
12. Perform preventive maintenance on a variety of plumbing systems.
13. Weld or fabricate plates, brackets and pipe.
14. Test backflow devices.
15. Test heating, ventilation and air conditioning (HVAC) and fire sprinkler systems for competency
16. Install, remove, relocate, align and anchor various types of plumbing and mechanical equipment.
17. Perform other duties as assigned.

**Knowledge/Skills**

Knowledge of installation and maintenance of domestic water, wastewater and vent systems

Knowledge of uniform plumbing codes

Knowledge of Americans with Disabilities Act (ADA) requirements

Knowledge of installation and maintenance of irrigation and fire sprinkler systems, pumping systems and HVAC closed loop systems

Knowledge of brazing/soldering techniques

Skill in written and oral communication

Skill in reading and interpreting blueprints

Skill in using tools typical of the plumbing trade

Skill in working with a variety of individuals from diverse backgrounds

Ability to work independently and as a team member

Skill in using current office software programs including word processing, spreadsheet, database and email

**Education and Experience Requirements**

Plumbing experience that clearly demonstrates the ability to perform the job duties of the position

**Licensing, Certification and Other Requirements**

Valid Washington State Driver’s License

Valid CFC Certification Federal Class 1 and 2 (some positions)

Valid Certified welder card (some positions)

Valid BTJ steamfitter card (some positions)

Valid Backflow testing license (some positions)

Valid Journey-level pipefitter card (some positions)

Valid City of Seattle Fire Director’s certificate (some positions)

Valid Washington State plumber’s license (some positions)

Some licenses, certifications and other requirements determined to be necessary to meet the business needs of the employing unit may be required

|  |  |
| --- | --- |
| **FLSA Designation** | Non-Exempt |
| **Service Status** | Career Service |
| **EEO Code** | 7 |
| **Levels within same series** | Plumbing and Mechanical IPlumbing and Mechanical I - LeadPlumbing and Mechanical II |
| **Class History** | 11/1996 Created12/2003 Updated08/2007 Changed font and format01/2016 Updated content and format |