



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

**OPERATIONS AND MAINTENANCE TECHNICIAN II
PLUMBER
(Semi-Skilled)**

Group-Section: Water System Operations - Various	FLSA Status: Non-Exempt Bargaining Unit: AFSCME	Classification: Operations and Maintenance Technician Salary Grade: 31 Job #: S02A
--	--	--

JOB SUMMARY

Learns and utilizes mechanical skills, experience and knowledge in the practices, procedures, and methods of installing, maintaining, and repairing both general and complex plumbing and mechanical systems related to industrial, commercial and domestic water systems at a variety of facilities.

Performs and/or assists with maintaining and improving through preventive and corrective maintenance a variety of buildings and associated plumbing/mechanical systems and appliances related to Metropolitan's supporting network of housing/lodging, office and shop structures. Responsibilities include inspecting and maintaining local domestic water and wastewater systems.

Performs and/or assists with facility maintenance activities that support the ongoing operational reliability of core water and power generation facilities.

SUPERVISION:

Received:

Work is performed with clear and detailed instructions. Close and sometimes general supervision is given to ensure proper adherence to standards, procedures, rules, and practices; deviations are referred to a supervisor or lead person. Checking for quality workmanship is accomplished on a routine basis. As the employee progresses in skill, knowledge, and experience, general supervision may be appropriate. Direction is provided on the tasks to be undertaken with some latitude to rearrange work sequences and discriminate between established practices and/or methods. Guidance on the approach to standard circumstances, tasks and activities is provided in procedures, manuals, rules, or common craft practice. A lead person or supervisor provides guidance on the approach to tasks or activities encountered in non-standard or uncommon circumstances.

Receives oversight from the Team, Unit, Section, Assistant Group, and Group Manager.

Given:

As a lead may exercise technical and/or functional direction over assigned staff.

JOB DUTIES

Performs and/or assists with plumbing tasks to maintain and improve facilities through general preventive and corrective maintenance of a variety of buildings and associated plumbing/mechanical systems and appliances related to Metropolitan's supporting network of housing/lodging, office and shop structures, including inspecting and maintaining local domestic water and wastewater systems.

1. Performs and/or assist with preventive and corrective maintenance on domestic and commercial plumbing systems serving district facilities such as offices, shops, dormitories, housing, and other supporting structures.
2. Performs and/or assist with troubleshooting plumbing and related problems and determine appropriate corrective action to eliminate equipment malfunctions and defects to ensure equipment life and minimize down time.
3. Performs and/or assist with fabrication and layout of parts and equipment from blueprints, sketches and/or instructions to effectively perform new installations of plumbing or other domestic water system improvements including fire protection (hydrants) and wastewater systems (leach and septic systems).
4. Performs and/or assist with welding tasks and minor construction such as carpentry, masonry, and concrete as needed to accomplish maintenance activities associated with equipment or facility repairs.
5. Performs and/or assist with preventive and corrective maintenance on a variety of shop equipment and machines specific to the craft being performed to ensure proper operation.

EMPLOYMENT STANDARDS

MINIMUM QUALIFICATIONS

Education and Experience:

High school diploma or GED in addition to 2 years experience as demonstrated by practical application of techniques and practices specific to plumber.

OR

High school diploma or GED and attainment of skills through a recognized plumber trade training program and/or applicable related experience within a industrial environment.

Experience and knowledge as demonstrated by practical application of general techniques and practices specific to the inspection, maintenance and repair of plumbing systems.

Required Knowledge of: Employees in this title are semi-skilled and are learn and utilize skills through classroom and on-the-job training or they are obtaining the necessary experience working with higher-level Plumbers to competently demonstrate:

Understanding of building codes, theories, practices, tools and materials for plumbing maintenance and repair operations, safe operating techniques and the occupational hazards of motorized equipment operation, Federal, State, and local regulatory codes associated with plumbing (Uniform Plumbing Code—UPC) and fire protection systems (National Fire Protection Association—NFPA Codes, and California State Codes) to ensure regulatory compliance, wildlife, biological and environmental hazards associated with installation and replacement of plumbing systems under structures within a desert environment, and understanding of pipefitting techniques as they apply to plumbing and facilities maintenance efforts, and safety practices and regulations for maintaining and repairing shop machines/equipment or plumbing systems.

Required Skills and Abilities to: use graphic instructions such as blueprints, sketches, models, or other visual aids, visualize and identify parts or equipment that need to be obtained or fabricated for repairs from rough sketches and/or oral instructions, diagnose equipment/tool malfunctions (visually and/or aurally), use and maintain mechanical/electrical and pneumatic tools and equipment normally and traditionally utilized in the maintenance and repair of plumbing systems and equipment, and apply and guide others in adhering to safety practices and regulations for inspecting, maintaining, and repairing shop machines/equipment or plumbing systems.

CERTIFICATES, LICENSES and REGISTRATIONS REQUIREMENTS

Employees in this position may be required to obtain and maintain the following certifications, licensing and registrations:

- Valid Drivers license from state of residency equivalent to a California Class A, B, and/or C with appropriate commercial license endorsements
- Forklift Certification
- Manlift Certification
- Respirator Certification

PHYSICAL DEMANDS/WORK ENVIRONMENT

Expectations of Hours of Service:

Employees in this position may be required to work off-shift to address operational needs and emergencies as required. May be required to work extended periods away from the normal reporting location.

Physical Demands:

Heavy tasks may require lifting and carrying items weighing up to 50 pounds, with intermittent need to lift and carry materials and/or equipment weighing up to 100 pounds with assistance. Frequently requires pushing, pulling, turning and positioning parts, assemblies, equipment and tools weighing as much as 100 pounds with assistance. May be required to lift and move heavy items with the assistance of others and with lifting devices such as jacks, hoists and cranes of varied types and capacities. Physical effort includes frequent walking, stooping, bending, reaching, standing, kneeling and sitting for long periods of time.

MWD

Metropolitan Water District of Southern California

Work Environment:

Work is performed indoors and outdoors at large pumping, treatment, hydroelectric or control facilities, or associated assets, under all types of conditions including extreme temperatures, open and confined spaces ranging from crawl spaces to sub-structures as well as varied types of terrains. Job tasks frequently require working from heights and functioning from lifts, hoists, scaffolds, and cranes over surfaces ranging from earthen materials to concrete, steel and water. Work frequently is conducted in close proximity to high volume/pressurized water, as well as exposed, electrically energized equipment including high voltage systems. The work environment often involves exposure to equipment and tools producing high levels of noise, as well as potentially dangerous materials, chemicals, and machinery that require careful adherence to extensive safety precautions, rules and regulations.