

**WATER MAINTENANCE MECHANIC SPECIALIST****DEFINITION**

Under supervision, participates, services, and assists in the maintenance, repair, installation, replacement, and construction of mechanical components of the City's water systems and facilities.

**SUPERVISION RECEIVED/EXERCISED**

Receives supervision from a manager or designee. Exercises no supervision.

**DISTINGUISHING CHARACTERISTICS**

Water Maintenance Mechanic Specialist is the advanced level class in the Water Maintenance Mechanic series. Incumbents perform more complex duties in the maintenance, repair, installation, and replacement of mechanical components of the water system infrastructures. Depending upon assignment, a Water Maintenance Mechanic Specialist may provide lead instruction. This class is distinguished from Water Maintenance Mechanic Technician in that incumbents of the latter perform at the entry level under close supervision. Incumbents may be required to work evenings, weekends, and holidays.

**EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES**

*May include, but are not limited to, the following:*

Maintains a variety of equipment, machinery, and control systems in treatment plants to assure efficient plant operations.

Diagnoses problems and makes requests for necessary repairs; maintains records of work performed.

Installs or replaces ancillary parts for equipment and machinery; assists in plant installations and overhauls.

Services machinery and equipment through preventive maintenance by performing periodic lubrication, adjustment, cleaning, and inspections for worn parts.

Maintains clean and safe working environment around plant equipment and facilities.

Maintains logs of daily activities and keeps accurate records.

Wears and use applicable PPE consistent with state mandates as required.

Performs other duties as assigned.

## **JOB RELATED AND ESSENTIAL QUALIFICATIONS**

### **Knowledge of:**

Practices, methods, tools, and materials of the mechanical and electrical trades.

Basic pump, motor, and related industrial equipment and machinery operations.

The materials, methods, practices, equipment and tools used in the installation and maintenance of valves, hydrants, water mains, meters, regulators, pumps, surface and groundwater treatment equipment, distribution and water services.

Occupational hazards and safety precautions of the industry; some knowledge of local, state and federal statutes, codes, rules and regulations governing water systems, surface and groundwater treatment and quality.

Principles and practices of water distribution maintenance and repair.

Basic principles of water treatment.

Common tools, materials, and motorized vehicles and equipment used in the maintenance and repair of a water distribution system.

Pumps, valves and backflow devices.

Basic mathematical principles.

Safe work practices and policies.

### **Skill/Ability to:**

Diagnose and suggest corrective action for operating malfunctions in mechanical and electrical equipment and systems.

Keep simple, accurate records.

Follow and prepare oral and written instructions.

Safely operate assigned vehicles, tools and equipment in the installation and maintenance of the water system.

Plan and order materials necessary to accomplish assigned tasks.

Perform simple arithmetic and mathematical computations.

Perform confined space entry.

Perform heavy manual labor with the necessary physical strength and agility to work outdoors under arduous conditions.

Work with a variety of tools related to water system maintenance.

Perform routine groundwater treatment procedures.

Read and understand schematic diagrams.

Communicate clearly and concisely, both orally and in writing.

Establish and maintain effective working relationships at all organizational levels, including the public.

### **MINIMUM QUALIFICATIONS**

#### **Education:**

Possession of a High School Diploma equivalent or GED completion;

#### **Experience:**

Two (2) years of full-time work experience in the maintenance, cleaning, inspection, repair, installation, replacement, and construction of mechanical components of water systems.

### **SPECIAL REQUIREMENT(S)**

Possession of a valid Class "C" California Driver's License is required at the time of application and continued maintenance throughout the entire term of employment in the classification.

Possession at the time of application and continued maintenance throughout entire term in this class, a valid Water Distribution Operator Certificate, Grade D2, issued by the State of California, State Water Resources Control Board.

### **PHYSICAL DEMANDS**

The physical demands described here are representative of those that are necessary to safely, effectively, and efficiently perform the essential functions of this job with or without reasonable accommodation.

This classification's physical demands involve heavy work exerting up to 100 pounds of force occasionally with assistance, and/or up to 50 pounds of force frequently, and/or up to 20

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pounds of force constantly to move objects. Additionally, the following physical demands may be required: balancing, climbing, crawling, crouching, feeling, manual dexterity, grasping, handling, hearing, kneeling, lifting, mental acuity, pulling, pushing, reaching, repetitive motion, speaking, standing, stooping, talking, visual acuity, walking.

APPROVED: Signature on File DATE: 10/20/2025  
Director of Personnel Services

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