

**CITY OF MADERA**  
**WATER SYSTEM WORKER I**

*Class specifications are only intended to present a descriptive summary of the range of duties and responsibilities associated with specified positions. Therefore, specifications **may not include all** duties performed by individuals within a classification. In addition, specifications are intended to outline the **minimum** qualifications necessary for entry into the class and do not necessarily convey the qualifications of incumbents within the position.*

**DEFINITION:**

Under general supervision, assists in the testing, cleaning, maintenance, inspection, repair, installation, replacement, surface and groundwater treatment, and construction and operation of the City's water systems.; demonstrates a full understanding of all applicable policies, procedures and work methods associated with assigned duties; occasionally assists in the training of lower level Public Works positions; performs other related duties as required.

**DISTINGUISHING CHARACTERISTICS:**

The **Water System Worker I** is the entry level class in the Water System Operator series. Incumbents perform semiskilled and skilled duties in the testing, cleaning, maintenance, inspection, repair, installation replacement, surface and groundwater treatment, distribution, construction and operation of water system infrastructures. This class is distinguished from Water System Operator II in that incumbents of the latter may have lead responsibility. It is distinguished from Public Works Maintenance Worker II, in that it requires skills, knowledge and experience in water system repair, maintenance and installation.

**SUPERVISION RECEIVED/EXERCISED:**

Receives general supervision from the Water System Lead Worker. Incumbents of this class do not routinely exercise supervision.

**ESSENTIAL FUNCTIONS:** *(include but are not limited to the following)*

- Installs, repairs and maintains water mains and lines; operates jack hammers and other tools and equipment; inspects tools and equipment for safety and mechanical defects; installs and repairs water service connections, meters and boxes; operates trucks and other construction vehicles and equipment; locates and repairs leaks in water lines; responds to emergency calls.
- Installs, maintains, and repairs water mains, valves, meters, fire hydrants, pressure regulators, pumps and tanks, surface and groundwater treatment equipment, distribution, production equipment, and other water system infrastructures.
- Operates and services equipment used in the repair, installation and maintenance of water system infrastructures including, but not limited to, compressors, jack hammers, backhoes, trenchers, tractors, trucks, and any other assigned light and heavy equipment.
- Keeps accurate records.
- Performs minor concrete work, e.g., around hydrants, meter boxes, and pouring hydrant pads, pump

pedestals and short sections of sidewalks and curbs.

- Performs surface and groundwater sampling.
- May be required to wear and use a respirator consistent with state mandates; work evenings, weekends and holidays.
- Performs other duties as assigned.
- Demonstrates a full understanding of applicable policies, procedures and work methods associated with assigned duties; responds to questions and concerns from the general public; provides information as is appropriate and resolves public service complaints.
- Establishes positive working relationships with representatives of community organizations, state/local agencies, City management and staff, and the public.

### **WORKING CONDITIONS:**

Position requires sitting, standing, walking on level and slippery surfaces, reaching, twisting, turning, kneeling, bending, stooping, squatting, crouching, grasping and making repetitive hand movement in the performance of daily duties. The position also requires both near and far vision when inspecting work and operating assigned equipment. The need to lift, carry and push tools, equipment and supplies weighing 25 pounds or more is also required. Additionally, the incumbent in this outdoor position works in all weather conditions including wet, hot and cold. The incumbent may use cleaning and lubricating chemicals which may expose the employee to fumes, dust and air contaminants. The nature of the work also requires the incumbent to climb ladders, use power and noise producing tools and equipment, drive motorized vehicles and heavy equipment, work in heavy vehicle traffic conditions and often work with constant interruptions.

**QUALIFICATIONS:** *(The following are minimal qualifications necessary for entry into the classification)*

#### **Education and/or Experience:**

Any combination of education and experience that has provided the knowledge, skills and abilities necessary for a **Water System Worker I**. A typical way of obtaining the required qualifications is to possess the equivalent of one year of full-time work experience in the testing, cleaning, maintenance, inspection, repair, installation, replacement, construction, distribution and operation of water systems., and a high school diploma or equivalent.

#### **License/Certificate:**

A valid class B California driver's license may be required for some positions. Possession of a Grade I Water Distribution Operator Certificate.

**KNOWLEDGE/ABILITIES/SKILLS:** *(The following are a representative sample of the KAS's necessary to perform essential duties of the position)*

**Knowledge of:**

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 (e.g., Safe Drinking Water Act).

Some knowledge of the design and operation of water systems. Some knowledge of the tools, equipment and testing procedures employed in the water systems industry.

**Ability to:**

Keep simple, accurate records; perform heavy manual labor; drive and operate truck and construction equipment; observe safety principles and work in a safe manner; follow written and oral directions; communicate clearly and concisely, both orally and in writing; plan and order materials necessary to accomplish assigned tasks; perform simple arithmetic and mathematical computations; .establish and maintain effective working relationships.

**Skill to:**

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