

WATER SYSTEM OPERATOR I

Class Definition

Under 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.

Distinguishing Characteristics

Water System Operator I is the working 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 Laborer, in that it requires skills, knowledge and experience in water system repair, maintenance and installation.

Typical Duties

(May include but are not limited to the following.)

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.

Knowledge, Skills, and Abilities

(The following are a representative sample of the KSA's necessary to perform the 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.

Knowledge of 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 locate mains, pipes, hydrants, and meters.

Ability to keep simple, accurate records.

Ability to follow and prepare oral and written instructions.

Ability to safely operate assigned vehicles, tools and equipment in the installation and maintenance of the water system.

Ability to plan and order materials necessary to accomplish assigned tasks.

Ability to perform simple arithmetic and mathematical computations.

Physical strength and agility to work outdoors under arduous conditions.

Ability to establish and maintain effective working relationships at all organizational levels, including the public.

Minimum Qualifications

One year of full-time work experience in the testing, cleaning, maintenance, inspection, repair, installation, replacement, construction, distribution and operation of water systems.

Special Requirement(s)

Possession at time of appointment and continued maintenance of a valid Class "C" California Driver's License. Depending on assignment area: 1) may be required to obtain and maintain a valid Commercial Class "A" or "B" California Driver's License with appropriate endorsements for entire term of

employment; 2) must obtain and maintain a valid Water Treatment Operator Certificate, Grade T1, or a Water Distribution Operator Certificate, Grade D1, issued by the State of California, Department of Health Services, within 12 months of assignment.

NOTE: Recruitments may be limited to a specific operational area as required by operational needs. Operational areas include, but are not limited to, those detailed below. Failure to obtain and continue to maintain the valid certification within the specified time period above shall be cause for termination from this class.

1. Information, Electrical and Telemetry Systems Operations
2. Water Operations (e.g., Meter-Cross Connection Control, Distribution, Production, Recharge, Property Maintenance, Water Quality & Treatment)
3. Surface Water Treatment Operations

APPROVED: _____
Director

DATE: _____