

## WATER SYSTEM OPERATOR III

### Class Definition

Under general supervision, plans multiple projects and provides lead direction to crews involved in the testing, cleaning, maintenance, inspection, repair, installation, replacement, surface and groundwater treatment, construction and operation of the City's water systems.

### Distinguishing Characteristics

Water System Operator III is the skilled craft class in the Water System Operator series. Incumbents lead, plan, organize and participate in the work of crews of semiskilled and skilled workers engaged in the testing, cleaning, maintenance, inspection, repair, installation, replacement, surface and groundwater treatment, construction and operation of water system infrastructures. Water System Operator III is distinguished from Water System Operator II in that incumbents of the latter may direct the work of an individual crew. This class is distinguished from Water System Supervisor in that incumbents of the latter are full first-line supervisors.

### Typical Duties

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

Provides lead direction to one or more crews comprised of all manner of classifications.

Relocates, abandons, installs and repairs water mains, hydrants, services, meters, pressure regulators, valves, tanks, pumps and other water system infrastructures, including surface and groundwater treatment.

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.

Plans, organizes and oversees daily activities on major construction projects, repairs and improvements to the water system, including surface and groundwater treatment, and distribution.

Provides an accounting of tools, material and labor for each project; estimates time and materials required for various projects.

Ensures efficient use of resources and professional execution of projects.

Recommends and implements efficiency and productivity enhancements.

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 representative sample of the KSA's necessary to perform the duties of the position.)

Knowledge of the standard materials, methods, practices, equipment, and tools used in the pipefitting trade, and surface and groundwater treatment operations.

Knowledge of the occupational hazards and safety precautions of the industry OSHA rules and regulations.

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).

Knowledge of and ability to operate a surface water treatment plant.

Ability to lay out, organize, assign, train, and provide lead direction for the work of one or more crews.

Ability to read, interpret, understand and work from construction drawings and specifications.

Ability to accurately estimate time and materials requirements.

Ability to perform advanced mathematical and algebraic computations.

Ability to keep accurate records and prepare written reports.

Ability to understand and carry out complex oral and written instructions.

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

Skill in the use and care of tools and equipment used in the trade.

Physical strength and agility to work outdoors under arduous conditions.

#### *Minimum Qualifications*

Three years of full-time work experience in the testing, cleaning, maintenance, inspection, repair, installation, replacement, construction, distribution and operation of water systems; OR for a surface water treatment plant assignment, three years of full-time work experience operating a groundwater or surface water treatment plant that shares equivalent State of California classification with the City of Fresno.

#### *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 T3, or a Water

Distribution Operator Certificate, Grade D2, issued by the State of California, Department of Health Services, within 12 months of assignment; 3) depending on assignment, possession at time of appointment and continued maintenance of a valid Water Treatment Operator Certificate, Grade T3, issued by the State of California, Department of Health Services.

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: \_\_\_\_\_