

## CLASS SPECIFICATION

### SAN DIEGO CITY CIVIL COMMISSION

#### WATER SYSTEMS TECHNICIAN IV

##### DEFINITION:

Under general supervision, in field and/or plant settings, to perform the most technically complex tasks associated with constructing, repairing, maintaining and installing various components of water storage, transmission, filtration and distribution systems; to lead and participate in the work of single crews in the field or in filtration plants; and to perform related tasks.

##### \* EXAMPLES OF DUTIES:

###### **As part of a formal rotation and cross training program:**

###### **As a super-journey technician:**

- Repair, maintain and install a wide variety of the most complex mechanical equipment in the filtration plants, including filtration/mixing equipment, filters, chemical feed equipment, odor removal systems, low pressure boilers, heat exchangers, speed reducers, and other complex mechanical equipment.

###### **As a lead over single crews:**

In field and plant settings, lead and participate in the work of crews engaged in the following:

- Installation, repair, replacement and maintenance of water mains;
- Installation, repair, replacement and maintenance of service pipes and connections, including valves and other equipment associated with these facilities;
- Maintenance, installation and repair of pressure/water regulating devices such as large and small valves, trestles, flumes, culverts and other water transmission and ancillary devices;
- Repair, maintenance and installation of various components/facilities associated with and connected to water storage standpipes and above ground reservoirs, including cleaning, painting, repairing, washing and performing other repair and maintenance tasks to the reservoirs, standpipes and potable water within the facilities;
- Installation, repair, maintenance and testing of large and small backflow devices and related equipment;
- Installation, maintenance, and repair of piping and piping systems in the distribution system, raw water delivery system, and in the filtration plants;
- Routine repair and maintenance for mechanical equipment in the filtration plants, including filtration/mixing equipment, filters, chemical feed equipment, odor removal systems, low pressure boilers, heat exchangers, speed reducers, and other complex mechanical equipment;
- Complete all SWIM and work order related paperwork as person in charge on a crew and maintain other logs of work completed and in progress;
- Lead, direct and train journey, sub-journey and trainee level subordinates on crews;
- Perform related tasks

##### MINIMUM QUALIFICATIONS:

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Announcement for updated minimum qualifications.

One year of full-time experience as a City of San Diego Water Utility Supervisor or higher. **OR** Two years of full-time experience as a City of San Diego Water Systems Technician III. **OR** Four years of full-time experience constructing, repairing, and maintaining various components of water, or other similar types of pipeline (4" or larger), distribution, collection, storage, filtration, transmission or related systems. Experience must also include maintenance and repair work on valves, pumps and piping systems as well as two or more of the following: backflow prevention devices, meters, water storage systems, reservoir or related facilities. A State of California Water Distribution Operator Certificate is required. A California Class B Driver's License is required.

- \* **EXAMPLES OF DUTIES** performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.