

**CLASS SPECIFICATION**

**SAN DIEGO CITY CIVIL COMMISSION**

**WATER SYSTEMS TECHNICIAN IV - 1014**

**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;

**\* 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.**

- 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 Description for updated minimum qualifications: <https://www.governmentjobs.com/careers/sandiego/classspecs>.

Four years of full-time experience constructing, repairing, and maintaining various components of water or other similar types of pipeline (2" or larger), distribution, collection, storage, metering treatment, 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 valid Grade D2 or higher Water Distribution Operator Certificate issued by the State of California. A California Class A or B Driver's License, AND a valid California Department of Motor Vehicles (DMV) medical certificate dated within the last two years are required at the time of application.