Position:  Water Facilities Operator III

Reports to:  Water Operations Supervisor

Definition:  Under general supervision, performs a variety of skilled assignments in the inspection, operation, installation, maintenance and repair of water production and distribution system including performing sampling, conducting laboratory analysis, and testing or modifying electrical systems. Certain duties may be assigned only when the incumbent has obtained dual certifications as described in the minimum qualifications below.

This is a journey level position in the Water Facilities Operator series. At this level, incumbents perform the most complex and specialized work tasks, under only general supervision, while exercising broader discretion and independent judgment within established guidelines. Incumbents at this level may also work in the lead role from time to time performing emergency repairs to a variety of equipment as necessary.

Supervision:  Reports to the Water Operations Supervisor; receives general supervision from the Lead Water Facilities Operator. May fill a lead role over other field water operations staff while serving as a member of a crew assigned to specific tasks.

Typical Duties:

System Operation - Duties may include, but are not limited to, the following: operate, inspect, maintain, repair and calibrate water production, treatment, storage and distribution facilities, including wells, valves, chlorinators, chemical feed equipment, boosters, pressure regulating and sustaining valves, pressure filters, motors, electrical controls, recording and measuring devices; report unusual operating conditions and major needs for repair; take water samples and perform analytical and bacteriological tests as required; record readings, document laboratory quality control programs, and maintain other pertinent data; keep facilities in a clean and orderly condition, and perform maintenance functions on treatment equipment; isolate leaks and take appropriate measures to minimize outages and to protect the public health; monitor and inspect pertinent contracted work with outside agencies; observe all safety and environmental precautions. May prepare various reports for management and regulatory agencies.

Equipment Maintenance - Duties may include, but are not limited to, the following: inspect tools, equipment and vehicles to evaluate their condition, diagnose problems and determine needed repairs; ascertain and obtain required parts and supplies; repair and perform minor overhaul to gasoline and diesel engines; operate test equipment; interpret service manuals and perform maintenance per manufacturer’s recommendations; understand schematics and parts lists; develop, and administer a preventative maintenance program; use small hand tools in the maintenance and repair of electronic and related equipment; keep records and write status reports.

Equipment Management - Duties may include, but are not limited to, the following: diagnose operation difficulties and efficiencies of electro-mechanical devices; evaluate appropriate repairs; develop and administer preventative maintenance program for electro-mechanical equipment; perform efficiency
tests on wells and boosters; under supervision perform entry level electrician duties. Assist in a variety on construction, maintenance and operation activities in relief or emergency situations.

Perform other related duties as needed. May fill other roles and train new personnel as required.

**Minimum Qualifications:**

**Knowledge:** Principals and procedures of water treatment and distribution, including water quality. Methods, materials, equipment and tools used in the maintenance and repair of water system facilities. Operating characteristics of pumps, valves, motors and a variety of equipment and tools used in water production and distribution. Principles and practices of plumbing, electrical work, hydraulics and water quality laboratory. Federal, state and local regulations governing water quality. Safety aspects and precautions in field maintenance work. First-aid techniques.

**Ability:** Independently perform a variety of field operations and maintenance tasks in water utility. Operate heavy equipment, including a back hoe, loader and dump truck. Perform field tests related to water quality control. Keep accurate, clear and organized records of water treatment and distribution both manually and electronically. Effectively communicate with the public and staff.

**Education and Experience:** Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and skills would be:

Experience: Three years of work in utility system maintenance and operations which provided a familiarity with utility facilities and procedures, including journey level equipment operations, mechanical and pipe fitting skills.

Education: Completion of high school or its equivalent, supplemented by specialized courses in water distribution and production systems. Additional related education may be substituted for experience or experience might be substituted for education.

**License or Certification:** Must possess either a Grade II Water Treatment Operator (T2) or a Grade III Water Distribution Operator (D3) Certification issued by the California Water Resources Control Board. Must obtain both a Grade II Water Treatment Operator (T2) and Grade III Water Distribution Operator (D3) Certifications within 18 months from the date of hire. Must possess a California Driver License and have a clean driving record. Possessing a Grade II Water Treatment Operator (T2) and a Grade III Water Distribution Operator (D3) Certification is highly desirable.

**Other Requirements:** Willingness and ability to work outside in a variety of weather conditions. Must reside within a 30-minute response time. Willingness to perform shift work, on-call duty assignment and call-back work. Must take part in all safety and training programs for field operations staff.

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