



Class Code:

Senior Utility Mechanic

ALAMEDA COUNTY WATER DISTRICT
Revision Date: July 2012; July 2019

DEFINITION

Under direction of the Facilities Maintenance Supervisor, leads, oversees, and participates in the more complex and difficult work of staff responsible for performing a wide range of mechanical maintenance and repair work at the water production, distribution, water supply, and groundwater recharge facilities; plans, schedules, prioritizes, and assigns maintenance and repair work; and performs related duties as assigned.

DISTINGUISHING CHARACTERISTICS

Senior Utility Mechanic is the advanced, journey-level class in the Utility Mechanic series. Under direction, within a framework of established policies and procedures, incumbents serve in a lead capacity and perform the full range of mechanical maintenance and repair work. Assignments are given in general terms and are subject to review upon completion by the Maintenance Facilities Supervisor. There is significant latitude for independent judgment and action in well-defined areas of work.

This classification is distinguished from the experienced, journey-level Utility Mechanic II by the independent performance of the most highly skilled mechanical maintenance and repair work requiring a higher level of related knowledge and competencies. This classification is further distinguished from the Facilities Maintenance Supervisor which supervises emergency and preventive maintenance activities including the repair and installation of equipment and materials used in the production, treatment and distribution of water.

TYPICAL DUTIES

TYPICAL EXAMPLES OF DUTIES MAY INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

- Provides lead direction and training to assigned personnel; plans, schedules, prioritizes, and assigns maintenance and repair work in consultation with the supervisor; communicates status of repairs to appropriate staff working cooperatively to schedule repairs in accordance with established priorities and special operational priorities; instructs staff in work procedures; assists lower-level and new staff as required.
- Provides technical and functional direction to staff; reviews and controls quality of work; assists in completing employee evaluations; participates in performing complex mechanical duties.
- Develops work plans, procedures, and schedules.
- Inspects and evaluates repair and preventative maintenance projects; estimates time and material requirements; provides technical assistance to assigned equipment maintenance staff; reviews and monitors completed work to ensure quality control standards are met.

Senior Utility Mechanic

- Performs difficult, technical, and complex maintenance and repair work on drinking water pump, treatment, pressure, flow regulating, and related equipment.
- Recommends special work required or necessary equipment maintenance; obtains estimates for required services and materials as directed; assists supervisor in evaluating vendors.
- Contributes to a positive work environment by participating in solutions to problems/issues.
- Provides input on and assists in maintaining proper mechanical inventory and inventory levels; requisitions supplies and materials as necessary.
- Provides input on and recommends updates to mechanical preventative maintenance and standard operating procedures.
- Supports and coordinates work/projects involving staff from other District departments.
- Performs other related work as required.
- Document work, maintain records, etc.

REQUIREMENTS

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

Education and Experience:

Possession of a high school diploma or its equivalent; and (5) years of experience in the maintenance and repair of water distribution facilities, water treatment plants, food processing plants, refineries, or similar facility, which includes four (4) years experience equivalent to that of a Utility Mechanic II at the District.

Knowledge, Skills, and Abilities:

Knowledge of: advanced methods, practices, procedures, and tools of the mechanical maintenance trade; advanced mechanical equipment repair and maintenance techniques; electrical and hydraulic principles; principles of testing, diagnostic and repair procedures, including use and adjustment of computerized diagnostic equipment; functions and capabilities of common metals and alloys; rigging principles and techniques; diesel engines and related cogeneration equipment; methods and procedures of carpentry and painting; safety regulations and practices relative to work activities; shop mathematics; the operation and use of electric arc and gas welding and cutting equipment.

Skill and Ability to: train, direct, and coordinate assigned personnel; plan and schedule mechanical maintenance and repair work; develop work procedures to ensure accurate and

timely completion of tasks; plan and independently perform skilled mechanical repair, maintenance, and installation work involving the use of specialized tools, instruments, and equipment; arc, MIG (gas metal arc), oxy-acetylene weld, hard and soft solder, oxy-acetylene cut, and fabricate in steel; interpret mechanical and shop drawings, specifications, and diagrams; safely and skillfully operate hand and power tools and equipment common to the trade; keep records related to the work; perform the essential functions of the job without causing harm to self or others; operate modern office equipment including computer equipment and specialized software applications programs; communicate clearly and concisely, both orally and in writing; establish, maintain, and foster positive and effective working relationships with those contacted in the course of work.

Additional Requirements:

- Must possess a valid California driver's license and have a satisfactory driving record.
- A Distribution Operator (D2) license and/or Treatment Operator (T2) license from the State of California within 18 months.
- Must possess and maintain, Service Truck Crane (STC) certification as required by CAL/OSHA and FED/OSHA.

Working Conditions/Physical Requirements:

The essential duties of this classification require the ability to work outdoors 50% to 100% of the time under various climatic and geographic conditions; to work overtime as needed and subject to standby duty and emergency call-outs as required; to work in an environment with potential exposure to high frequency and constant noise, dust, allergens, chemicals, solvents, fumes, smoke, gases, grease, oil and sun exposure; in confined spaces; on ladders and/or scaffolding; and work around moving vehicles and hazardous equipment and machinery.

The essential duties of this classification require repetitive use of feet and hands to operate vehicles, equipment and tools; the ability to wear, on, and off a self-contained breathing apparatus; to feel the attributes of objects by touch; to verbally exchange ideas and information; to hear to receive verbal detailed information and instruction; to see at arm's length to twenty feet with a good field of vision; to maintain body equilibrium to prevent falling when walking, standing or crouching on narrow, slippery or moving surfaces; to climb stoop, kneel, crouch, reach, stand, and walk on a sustained basis; to lift and carry tools and equipment and to push and pull objects weighing between 25 to 75 pounds; and finger dexterity and hand strength to operate and grasp tools and equipment.

Revised: 07/12, 7/19, 11/21

Approved: _____
Human Resources/Risk Manager