

WATER SYSTEMS OPERATOR IIIDEFINITION

Under general direction, acts as lead worker in the operation and maintenance of all water facilities and equipment, which includes wells, reservoirs, pumping stations and control facilities.

ESSENTIAL FUNCTIONS INCLUDE BUT ARE NOT LIMITED TO

Performs routine and skilled preventive and corrective mechanical and electrical maintenance of water production and sewer pumping facilities. Lifts and moves very heavy metal covers to provide access to enclosed structures; uses vertical ladders to climb into and from vaults, reservoirs, pumping stations, elevated tank and other enclosures to perform maintenance or repairs. Checks operating equipment to determine if it is running properly, receiving proper lubrication, and is not overheating or vibrating excessively. Consults supervisor and makes recommendations on necessary replacement or repairs to equipment and/or changes in maintenance schedules. Acts as lead worker and trains subordinates in proper preventive and corrective maintenance methods including proper operation and maintenance of chemical dosing equipment. Acts as lead worker in performing light housekeeping, plumbing, cement work, and landscape maintenance duties in the care of water facilities. Trains subordinates in proper operation of the control room for the water system. Reviews meters, charts, and recorders to see that proper operating criteria are maintained. Operates the control room in the absence of other available employees. Uses current office software applications to maintain and update reports and other documents. Must be able to lift and carry objects weighing up to 50 lbs. May be assigned to standby and after hours call out duties; may be assigned to fill in for the Senior Water Systems Operator. Performs other functions as assigned.

DISTINGUISHING FEATURES OF THE CLASS

This is an advanced journey-level class in the Water Systems Operator series, with lead supervision responsibilities. Incumbents in this class are distinguished from the next lower-level classification of Water Systems Operator II by the degree of difficulty, complexity, independence, and scope of the electrical and mechanical maintenance duties performed. Incumbents are distinguished from the next higher-level classification of Senior Water Systems Operator in that the latter has full supervisory responsibilities.

RECOMMENDED MINIMUM QUALIFICATIONS

One year of experience as a Water Systems Operator II for the City of Santa Ana Public Works Agency, or two years of experience operating and maintaining water production equipment; or any equivalent combination of education and experience which provides the following knowledge and abilities:

Knowledge of: the proper methods for operating, maintaining, and repairing electrical and mechanical equipment and facilities used for pumping water and controlling the system; principles of mathematics, hydraulics, instrumentation, computers and electricity; safety practices and procedures in the operation of water facilities equipment; basic principles and practices of supervision and training; some knowledge of cross-connection regulations as specified under Title 17 of the California Administrative Code, and regulations relating to the protection of the underground distribution facilities.

Ability to: train, plan and direct the work of subordinates; make rapid and accurate assessments of changing conditions in the water system; determine improper equipment operation and immediately implement corrective action to minimize equipment damage and disruption of the water supply; communicate effectively with supervisors, peers and subordinates; establish and maintain effective working relationships with coworkers, other city employees and the general public in a culturally-diverse community; prepare reports and maintain logs using current office software applications.

SPECIAL MINIMUM REQUIREMENTS

Must possess and retain a valid California Class C driver's license at time of appointment. Must possess and retain a Grade II or higher Water Treatment Certification (WTC) issued by the State of California Department of Health Services, and a valid California State Department of Health Services Water Distribution Certificate (WDC) - Grade III as a condition of employment.

Incumbents must have visual acuity sufficient to read meters and gauges; hearing sufficient to permit use of two-way radio while on the field and to differentiate engine whines; physical strength to lift and move heavy metal covers, e.g., manhole covers, and to climb vertical (perpendicular to the surface) ladders

SPECIAL WORKING CONDITIONS

Willingness and ability to work irregular hours, including evenings, weekends and holidays as needed. Willingness and ability to work outside in a variety of climatic conditions. May be required to work rotating shifts and perform standby after duty hours call out duties.

CHARACTERISTICS OF SUCCESSFUL PERFORMERS

Successful performers are team-oriented, safety-conscious individuals who enjoy troubleshooting and maintaining a wide variety of electrical and mechanical equipment. They keep current with new developments and technology, and are able to effectively perform a wide variety of duties ranging from routine housekeeping, grounds maintenance and general maintenance, to highly technical work in the operation and maintenance of electronic data acquisition and telemetry equipment.

Class title change from Water Production Technician per Council Resolution No. 89-070, effective 7-1-89

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