

WATER SYSTEMS OPERATOR IIDEFINITION

Under general supervision, operates and maintains all water system facilities and equipment which includes wells, reservoirs, pumping stations, and control facilities.

ESSENTIAL FUNCTIONS INCLUDE BUT ARE NOT LIMITED TO

Using telemetry controls or directly at the station site, operates the various pumping facilities of the City's water and sewer systems. Continuously monitors water levels in storage units and makes necessary pump changes in response to actual and anticipated water system requirements. Performs preventive and corrective maintenance of water systems equipment. 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. Performs data logging and record maintenance functions. Operates essential emergency chemical dosing equipment and regulates proper application dosage. Reads and records electrical and water meters related to water production. Regulates water pressure in each pressure zone within the City. Assists the Water System Operator III in troubleshooting failure of machinery throughout the water production system. Assists the Water System Operator III and Senior Water System Operator in training new personnel. Performs housekeeping and other related functions as assigned.

DISTINGUISHING FEATURES OF THE CLASS

This is the journey-level class in the Water System Operator series career ladder. Incumbents in this class perform all the routine operation and maintenance of all water production facilities and sewage pumping stations. This class is distinguished from the next higher-level classification of Water Systems Operator III by the scope and complexities of duties performed.

SPECIAL REQUIREMENTS

Must possess and retain a valid California Class C driver's license at time of appointment. Must possess and retain a Grade II 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 and weekends, as needed.
Willingness and ability to work outside in a variety of weather conditions.

May be required to work rotating shifts and perform standby after duty hours call out duties.

RECOMMENDED MINIMUM QUALIFICATIONS

One year of experience as a Water Systems Operator I or any equivalent combination of experience and training which provides the following knowledge and abilities:

DESIRABLE KNOWLEDGE, SKILLS AND ABILITIES

Knowledge of: basic hydraulics and mathematics; operation and maintenance of electrical and engine driven pumps; basic instrumentation flow measurement devices and other gauges; safety procedures related to water system operation and maintenance; electrical and mechanical principles.

Ability to: make independent assessments of changing conditions in the water production system and make correct decisions in operating the system according to present and predicted water needs; perform periodic preventive and corrective maintenance procedures; communicate effectively with fellow employees and the general public.

CHARACTERISTICS OF SUCCESSFUL PERFORMERS

Successful performers work independently in a control room for relatively long periods of time while remaining alert to constantly observe the system display and implement sudden changes in operations. They keep current with state-of-the-art methods of water production and pumping and to communicate effectively with supervisors, peers and subordinates are essential characteristics.

Class title established per Council Resolution No: 89-070,
effective 7-1-89

Class specification prepared and ADA approved: 1/94; 10/02
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