

SENIOR WATER SYSTEMS OPERATORDEFINITION

Under the direction of the Senior Civil Engineer, plans, coordinates, participates in, and supervises the work of the Water Systems Operator classifications in all operational and preventive maintenance tasks associated with the water production facilities and sewage pumping stations.

ESSENTIAL FUNCTIONS INCLUDE BUT ARE NOT LIMITED TO

Responsible for the overall operation of the water system. Operates and maintains water production facilities, performing the technical mechanical and electrical repairs on water production facilities. Develops, implements and maintains a systematic computer-based preventive maintenance program. Provides leadership in troubleshooting and making repairs on motors, MCCs, pumps, turbines, valves, engines, treatment equipment and Supervisory Control and Data Acquisition (SCADA) system and field instruments. Lifts and moves heavy items such as hatch covers, valves and bags weighing up to 75 lbs.; uses vertical ladders to climb into and out of vaults, reservoirs, pumping stations, and elevated tanks to perform inspection, maintenance and repair activities. Develops and maintains the record keeping system for generating and archiving pertinent operational data. Trains and provides feedback to Senior Civil Engineer on the work performance of Water System Operators and Instrument Technicians. Performs related functions as required. May be assigned to standby and after hours call out duties.

DISTINGUISHING FEATURES OF THE CLASS

This is the supervisory classification in the Water System Operator series career ladder. This classification differs from the Water Systems Operator III by the supervision exercised, sound technical knowledge, and the ability to analyze the water production system components, implement maintenance procedures, and recommend necessary changes and improvements.

RECOMMENDED MINIMUM QUALIFICATIONS

One year of experience as a Water Systems Operator III or Instrument Technician with the City of Santa Ana, or three years of experience in operating and maintaining water production systems, one year of which in a lead worker capacity, utilizing large motor engine driven pumps, computerized SCADA system, and related equipment; or any equivalent experience that provides the following knowledge, skills and abilities:

## DESIRABLE KNOWLEDGE, SKILLS AND ABILITIES

Knowledge of: methods and techniques related to installing, operating, repairing and maintaining water production equipment and facilities; principles and practices of effective supervision. Working knowledge of instrumentation and SCADA systems. Working knowledge of regulatory requirements related to potable water systems.

Ability to: train and supervise subordinates; troubleshoot, diagnose, and implement necessary repairs; establish and/or modify routine procedures relating to safety, training, and preventive maintenance; make recommendations to supervisors relating to repair and/or replacement of equipment and facilities; maintain a computerized preventive maintenance and work orders system; lift and carry objects weighing up to 75 lbs.

## SPECIAL REQUIREMENTS

Must possess and retain a valid California Class C driver's license. Must also possess and retain a valid Grade III Water Treatment Operator Certification and a valid Grade IV Water Distribution Certificate (WDC) issued by the State of California Department of Health. 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 items weighing up to 75 lbs. and to climb vertical ladders. Incumbents must also be able to pass all physical and health-related tests for certification to wear Self-Contained Breathing Apparatus or supplied air equipment for confined space entries.

## 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 weather conditions.

## DESIRABLE CHARACTERISTICS

The successful performer is a strong supervisor able to coordinate and direct a team of subordinates at various sites and on varying shifts. This effective leader can implement new procedures and make recommendations to supervisors regarding existing procedures. As a skilled technician, the incumbent can perform, train and direct subordinates in all operational and preventive maintenance tasks. This team player has excellent verbal and written communication skills.

Previous title: Senior Water Production Technician

Title change per Council Resolution No: 89-070,  
effective 7-1-89

Class specification revised and approved: 1/94

Class specification revised: 03/03

ADA Approved: 03/03