

VALLEY CENTER MUNICIPAL WATER DISTRICT
WATER SYSTEMS TECHNICIAN I, II, III

DEFINITION

Under general supervision of the Water Systems Supervisor, incumbents perform a variety of routine to journey level duties related to operating and maintaining the District's water distribution system.

CLASS CHARACTERISTICS

Water Systems Technician I is the entry-level class in the Water System Technician series. Incumbents are responsible for performing routine activities while acquiring knowledge and skills to perform higher-level work to include: inspecting system operations, performing preventive maintenance, operating the distribution system and checking water levels and chlorine residuals.

Water Systems Technician II is the journey level class Water Systems Technician series. Incumbents are fully competent and are expected to perform journey level duties related to inspecting system operations, performing preventive maintenance, operating the distribution system and checking water levels and chlorine residuals.

Water Systems Technician III is the advanced level class in the Water Systems Technician series. Incumbents are fully competent and are expected to perform the full range and the most complex duties related to inspecting system operations, performing preventive maintenance, operating the distribution system and checking water levels and chlorine residuals. Incumbents are lead workers and may serve as crew leader.

Incumbents may work a varied work week, different shifts, assist in standing duty and must be able to respond to emergencies as deemed necessary by the District, and may be required to work in wastewater facilities to include collection, distribution and reclamation.

ESSENTIAL DUTIES

The duties listed below are intended only as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the work is similar, related, or a logical assignment to this position.

Positions at the Water Systems Technician III level serves as a lead which includes prioritizing and assigning work and training employees on work methods.

Positions at the Water Systems Technician I level may perform some of these duties and responsibilities in a learning capacity.

Operates the District's water system; analyzes and determines the District's need for water; reads and interprets monitoring devices on water usage and distribution; calculates and adjusts chemical dosages; logs and records readings; orders water from County Water Authority; regulates the transfer of water between reservoirs within the District's distribution system.

Routinely monitors and inspects the operation of all pumping stations, reservoirs, aqueduct connections, chlorination facilities, automatic valves, instrumentation and controls, control room and bypass systems to ensure optimum operations; checks water levels and chlorine residuals in reservoirs; adjusts packing on pumps and notifies appropriate personnel of maintenance problems.

May collect and deliver to an accredited laboratory a variety of water samples for analyses; performs standard field laboratory tests and analysis; maintains records of operations; investigates water quality and high/low pressure complaints.

Performs a variety of plant and machinery maintenance operations; performs repairs on automatic valves; repairs leaks and responds to other water distribution emergency situations.

Drives various vehicles; uses hand and power tools and equipment related to the trade; observes proper safety precautions, particularly in dealing with hazardous chemicals such as chlorine; reads drawings and blueprints.

Maintains and monitors the security of District facilities; conducts foot patrols of District sites and monitors security cameras.

Performs other duties as assigned.

QUALIFICATIONS GUIDELINES

Knowledge of: Water distribution systems; water operations, including pumps, motors, chlorinators, aqueduct connections; preventative maintenance practices and procedures as applied to water distribution systems; advanced electrical troubleshooting techniques; methods, materials, tools and equipment used in the installation, maintenance, repair and operations of water distribution systems and facilities; operation and maintenance of a wide variety of shop equipment, hand, power and motorized tools and machinery used in the work; shop mathematics; applicable laws and regulations; basic first aid and CPR techniques; using computer and related software applications; and, safe work methods and safety precautions related to the work.

Ability to: Operate and maintain tools and equipment used in the work; identify and implement effective courses of action to complete assigned work; instruct and coordinate the work of less skilled employees; rebuild and repair water meters, automatic valves, and other District appurtenances; install, monitor, analyze, instrumentation and controls; diagnose problems and determine appropriate action; interpret and work from sketches, blueprints and specifications; maintain accurate records of work performed; communicate clearly and concisely, orally and in writing, and be understood while using the District's radio communication system; and, establish and maintain effective working relationships with other employees and those contacted in the course of the work.

EDUCATION, EXPERIENCE, LICENSES AND CERTIFICATIONS

Education: Water Systems Technician I, II, and III: Equivalent to a High School Diploma.

Experience: Water Systems Technician I- A minimum of one year of equivalent experience sufficient to successfully perform the essential duties of the job such as those listed above.

Water Systems Technician II- A minimum of two years of experience as a Water Systems Technician I, or its equivalent; or an equivalent combination of education and experience sufficient to successfully perform the essential duties of the job such as those listed above.

Water Systems Technician III- A minimum of two years of experience as a Water Systems Technician II, or its equivalent; or an equivalent combination of education and experience sufficient to successfully perform the essential duties of the job such as those listed above.

Licenses and Certifications: Water Systems Technician I- California Class C Driver's License; *Ability to obtain within two years as a condition of employment:* State Water Resources Control Board (SWRCB) Water Distribution Operator's Certificate, Grade D2

Water Systems Technician II- California Class C Driver's License; State Water Resources Control Board (SWRCB) Water Distribution Operator's Certificate, Grade D3

Water Systems Technician III- California Class A Driver's License; State Water Resources Control Board (SWRCB) Water Distribution Operator's Certificate, Grade D4

PHYSICAL DEMANDS AND WORK ENVIRONMENT

The physical demands and work environment described here are representative of those that must be met by an incumbent to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Physical Demands: While performing the duties of this job, the incumbent is regularly required to use hands and fingers to grasp, feel, and reach; climb, balance, stoop, kneel, crouch, crawl, talk, hear, and smell. The incumbent frequently is required to sit, stand and walk. The incumbent must regularly lift and/or move from 25 to 50 pounds and occasionally lift and/or move up to 100 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and ability to adjust focus. May be required to medically qualify and wear a District approved respirator.

Work Environment: While performing the duties of this job, the incumbent is regularly exposed to high, precarious places; fumes or airborne particles; outside weather conditions; and risk of electrical shock. The incumbent is frequently exposed to wet and/or humid conditions and moving mechanical parts. The incumbent is occasionally exposed to vibration. The noise level will range from moderate to very loud.

POSITION DESCRIPTION APPROVED:



General Manager

9/9/2020
Date