

**VALLEY CENTER MUNICIPAL WATER DISTRICT**  
**SENIOR WASTEWATER SYSTEMS TECHNICIAN**

**DEFINITION**

Under general direction of the Wastewater Systems Supervisor, incumbents perform the full range and the most complex duties related to operating and maintaining the District's treatment plants.

**CLASS CHARACTERISTICS**

This is the lead level class in the Wastewater Systems Technician series. Incumbents are fully competent and are expected to perform the full range and the most complex duties related to operating and maintaining the District's treatment plants. Incumbents are crew leaders and as such are responsible for assigning and monitoring employees work, ensuring rules and regulations are observed, maintaining supplies, preparing reports, and assuming the responsibilities of the supervisor in his/her absence. Incumbents may work a varied workweek, including a rotating-duty schedule, stands duty, and must be able to respond to emergencies as necessary with little or no notice.

**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.*

Serves as a crew lead which includes; assigning and monitoring employees work, training new employees on work methods and procedures, ensuring rules and regulations are observed, handling serious complaints and serving as the supervisor in his/her absence.

Maintains, operates and monitors all of the collection systems, lift stations, and chlorination facilities; operates pumps, valves, and other equipment by hand or mechanical means to regulate the flow of wastewater through various primary, secondary and tertiary treatment processes; maintains an even flow to assure maximum efficiency of plant equipment and delivery of effluent to customers.

Collects samples of wastewater and other materials at scheduled times; performs standardized control tests; operates, adjusts and maintains chemical feed equipment to ensure compliance with established standards; performs record keeping functions such as logging plant operations, test results, maintenance work performed, and unusual operating conditions encountered; prepares special reports as required.

Inspects plant equipment and remote facilities and reports on failures or operating difficulties; stops and starts equipment as required for repair; cleans, lubricates, and performs routine maintenance of plant equipment and facilities; monitors and operates the plant laboratory and sewer collection lift station.

Performs routine and higher-level maintenance at plant facilities and grounds including, but not limited to: daily washing of the facility, maintaining grounds, odor control in the sludge handling facilities, and performing general housekeeping duties; performs maintenance of plant machinery, equipment, piping and structures; cleans air diffusers, clears blockages from pipes and valves; performs repairs as necessary.

Reads and interprets meters, gauges, charts and instrumentation via the SCADA system to ensure proper operation of all the Wastewater Department facilities.

Evaluates plant performance from calculations, laboratory data, operational reports, trends, and field surveys.

Changes set points for chemical feed systems as required, maintaining correct levels in process.

Performs and reviews results of laboratory testing, sample types, and collection methods for compliance with established standards and guidelines.

Conducts preventive maintenance on treatment plant, wastewater pump or water booster station equipment.

Inspects and maintains a variety of hand and power tools, assigned equipment, and work vehicles.

Observes safe work methods and safety precautions related to the work; prepares and maintains a variety of computerized and written records.

Performs other duties as assigned.

### **QUALIFICATION GUIDELINES**

**Knowledge of:** Supervisory principles and practices; operation, maintenance and repair of wastewater reclamation plant equipment and facilities; wastewater treatment and reclamation principles, methods and practices; operation and maintenance of a wide variety of shop equipment, hand, and power tools and machinery used in the work; shop mathematics; safety rules, codes and regulations and safe work methods and precautions related to the work; applicable laws and regulations governing wastewater monitoring and control; using computers and related software applications; basic first aid and CPR techniques; methods and precautions in storing and handling chlorine and other hazardous gases, chemicals and pesticides; routine process control tests; preventative maintenance practices and procedures as applied to wastewater treatment facilities and collection systems; confined space entry procedures; and SCADA systems.

**Ability to:** Monitor and evaluate the work of lower level staff; train lower level employees in work methods and procedures; coordinate crew activities with other departments; operate wastewater treatment plant equipment; perform routine maintenance and make operating adjustments to wastewater equipment; clean and paint facilities and equipment; recognize unusual, inefficient or dangerous operating conditions and take appropriate action; read and record data from gauges and meters; read and interpret plant piping and distribution diagrams and schematics; instruct and direct the work of less skilled employees; perform routine control tests and adjust plant equipment accordingly; keep records and make oral and written reports of work performed; communicate clearly and concisely, both orally and in writing, and be understood while using the District's radio communication system; establish and maintain effective working relationships with other employees and those contacted in the course of the work.

### **EDUCATION, EXPERIENCE, LICENSES AND CERTIFICATIONS**

**Education:** Equivalent to a High School Diploma. An Associate's degree from an accredited college or university in Wastewater Technology is highly preferred.

**Experience:** A minimum of two years of experience as a Wastewater Systems Technician III, 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:** California Commercial Class C Driver's License with Tanker Endorsement; CWEA Collection System Grade II, Wastewater Treatment Operator Grade III.

## **PHYSICAL DEMANDS AND WORK ENVIRONMENT**

*The physical demands and work environment described here are representative of those an incumbent may encounter while performing the essential functions of this class. 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 and feel, reach with hands and arms; stand, walk, climb, balance, stoop, kneel, crouch, crawl, talk and hear. The incumbent is occasionally required to sit. The incumbent must regularly lift and/or move up to 20 pounds and must 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 moving mechanical parts and outside weather conditions. The incumbent is occasionally exposed to wet and/or humid conditions; fumes or airborne particles; toxic or caustic chemicals; risk of electrical shock; high, precarious places; and vibrations. The noise level will range from moderate to very loud.

POSITION DESCRIPTION APPROVED:

  
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General Manager

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Date 5/1/2025