

WATER TREATMENT PLANT OPERATOR**DEFINITION:**

Under general supervision of the Chief Plant Operator performs a variety of operation, maintenance, and inspection assignments at the District water treatment plant; maintains, repairs, and modifies equipment used in the treatment and purification of water; reads, interprets, and responds to charts readings, meter readings, laboratory analysis to ensure efficient plant operation and compliance with Department of Health Services regulations and directives; performs standardized water quality control tests; and performs related work as required.

DISTINGUISHING CHARACTERISTICS:

This is a journey level position. The Water Treatment Plant Operator is regularly required to independently operate the water treatment plant and maintain water quality to comply with Department of Health Services regulations as well as District goals.

EXAMPLES OF DUTIES:

- Operates automatic and manually controlled equipment, motors, and pumps used in the treatment, purification, and disinfection of water.
- Calculates water treatment chemical dosages to ensure the efficient operation of the water treatment plant, and maintain water treatment goals and water quality standards.
- Adjusts, monitors, and maintains chemical feed systems, which maintain water treatment goals and water quality standards.
- Collects water samples; performs standardized water quality control tests, and uses the results to determine the appropriate action to maintain water treatment goals and water quality standards.
- Interprets meter and chart readings to determine the proper operation of treatment equipment and water conditions.
- Makes regular assessments of water flow, turbidity, pressure, chemical usage, residuals, temperatures, and other pertinent data to maintain proper water treatment plant operating conditions.
- Maintains and reports on chemical inventory.
- Receives delivered materials, recording shipments and storing items.
- Maintains logs, records, and data systems for required plant reports.
- Performs a variety of maintenance and repair work on plant facilities and equipment.
- Observes pumping equipment to identify possible problems and operating difficulties.
- Backwashes filters.
- Changes recording charts as needed.
- Routinely handles hazardous materials associated with water treatment in accordance with the District's Risk Management Plan, Respiratory Program, Safety Program, Injury, Illness, and Protection Program, and OSHA requirements.
- Analysis data and generates reports.
- Performs related duties as assigned.

TYPICAL PHYSICAL ACTIVITIES:

- Operates District vehicles.
- Must be able to carry, push, pull, reach, and lift equipment and parts weighing up to 50 lbs.
- Stoops, kneels, crouches, crawls, and climbs during plant maintenance and repair work.
- Works in an environment with exposure to dust, dirt, chemicals and significant temperature changes between cold and heat.
- Communicates orally with District staff in face-to-face, one-to-one settings.
- Regularly uses a telephone for communication.
- Uses office equipment, such as computer terminals, copiers, and fax machines.
- Stands and walks for extended time periods.
- Hearing and vision within normal ranges.

- Ability to pass a respiratory compliance examination.

SPECIAL REQUIREMENTS:

Possession of a California Driver's License issued by the State Department of Motor Vehicles. Possession and proof of a good driving record as evidenced by freedom from multiple or serious traffic violations or accidents for at least two (2) years duration. The driving record will not contribute to an increase in the District's automobile rates.

Possession of a Grade 3 (T3) Water Treatment Plant Operator Certification issued by the California Department of Health Services.

KNOWLEDGE OF:

- Methods, materials, procedures and equipment used in water treatment plant operations and maintenance work.
- Water treatment methods, principles, and practices.
- Laws, codes, rules and regulations pertaining to water treatment plant operations and water quality standards.
- Methods and precautions for handling and storing hazardous chemicals.
- Standard water quality tests.
- Operation and maintenance of pumping equipment.
- Plant measurement and recording equipment.
- Proper work safety standards.
- General computer skills.

ABILITY TO:

- Perform a variety of operations and maintenance assignments at a water treatment plant.
- Operate automatic plant control systems.
- Read plant measurement and recording equipment, interpreting results to make adjustments to plant operations.
- Use proper safety precautions.
- Perform standard water quality tests.
- Maintain and update plant records and logs.
- Read and interpret plant piping and distribution diagrams.
- Establish and maintain cooperative working relationships.
- Compile, analyze, research and communicate findings both verbally and in writing.

DESIRABLE EDUCATION AND EXPERIENCE:

Possession of a Grade 3 (T3) Water Treatment Plant Operator Certification issued by the California Department of Health Services and a minimum of two (2) years of experience at a water treatment facility.

The specific statements shown in each section of this description are not intended to be all-inclusive. They represent typical elements and criteria necessary to successfully perform the job.