

## **WATER TREATMENT PLANT OPERATOR**

### Definition

Under direction, to inspect, maintain and operate raw water storage and treatment facilities to assure proper quantity and quality of water in the District; and to do related work as required. Must be able to work a flexible schedule in order to insure the 24-hour, seven-day operation at the District's Water Treatment Plant. Willingness to work nights, weekends, Holidays, and overtime as needed for routine and emergency conditions.

### Example of Duties

- Checks raw water reservoirs for water elevation and water quality properties.
- Collects raw water samples for analysis and records results.
- Maintains proper releases from reservoirs.
- Reads, records and maintains stream flow recorders, piezometer wells and weirs.
- Maintains and operates a water treatment plant incorporating chemical feed equipment, filtration equipment, pumps, flow regulation equipment, reservoirs, sedimentation basins and/or storage tanks and control equipment.
- Takes samples and makes standardized laboratory tests.
- Performs necessary repairs to machinery, equipment, pipes, tanks, pumps and motors.
- Maintains records of plant operations.
- Cleans and maintains buildings and grounds.
- Responds to emergency calls and answers customer complaints and questions.
- Provides tours of the treatment plant.
- Assists and coordinates system operations with the Distribution System Operator.
- And perform related work as required

### Typical Physical Activities

- Operates District vehicles to travel between District facilities, plant, jobsites and lakes.
- Must be able to carry, push, pull, reach, grasp and lift equipment parts and material weighing up to 50 lbs. daily, up to 100 lbs. weekly.
- Stoops, kneels, crouches, crawls and climbs during plant maintenance and repair work.
- Works in an environment with exposure to water, dirt, dust, chemicals, and significant temperature changes between cold and heat, indoors and out-of-doors.
- Communicates orally with District staff in face-to-face, one-to-one settings.
- Regularly uses a telephone for communication.
- Uses equipment such as computer terminals, copiers, calculators, and chemical test equipment.
- Stands and walks for extended time periods.
- Hearing and vision within normal ranges.
- Regularly works in confined spaces.
- Uses respiratory protection equipment, which requires being clean shaven.

# WATER TREATMENT PLANT OPERATOR

## Employment Standards

### Knowledge of:

- Principles of water treatment and water treatment plant operation.
- Tools, materials, supplies and methods used in the operation, maintenance and repair of a water treatment plant.
- Biological and chemical processes used in water purification.
- Safe working practices.

### Ability to:

- Maintain, operate and repair a water treatment plant.
- Analyze problems and take an effective course of action.
- Supervise and train persons learning the operation of a water treatment plant.
- Read and write at the level required for successful job performance.
- Understand and carry out oral and written instructions.
- Work cooperatively with others.

### Desirable Qualifications:

Experience: Three years of increasingly responsible experience in water supply and treatment plant operations.

Education: Equivalent to graduation from high school, preferably supplemented by course work in water quality, hydraulics or engineering.

### License Certificate Requirement:

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

Possess a valid Grade III Water Treatment Operator Certificate issued by the State of California Department of Health.

**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.**