

WATER TREATMENT PLANT OPERATOR IVDefinition

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.

Examples 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.
- Makes repairs to machinery, equipment, pipes, tanks, pumps and motors.
- Maintains records of plant operations.
- Cleans and maintains buildings and grounds.
- Responds to emergency calls.
- Answers customer complaints and questions.
- Gives tours of the treatment plant.
- Assists and coordinates system operations with the Distribution System Operator.

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 IV

Special Requirements

Possession of an appropriate California operator's license, Class C, 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 valid Grade IV Water Treatment Operator Certificate issued by the State of California Department of Health.

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.

Desireable Education and Experience

Any combination of education and experience which would likely provide the necessary knowledge and abilities is qualifying.

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.

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.