

JURUPA COMMUNITY SERVICES DISTRICT WATER TREATMENT PLANT OPERATOR IV

DEFINITION

Under limited supervision, and direction performs a variety of skilled technical duties and semi-skilled labor in the operation and maintenance of water treatment facilities including monitoring, adjusting and calibrating equipment and chemical flows and meter equipment; leads, inspects, plans, assigns and participates in the work at the water treatment plants, ensures compliance with DOHS, understand SCADA, Well field operation as related to the various treatment plant functions, nitrate system blending and performs related duties and responsibilities as assigned.

CLASS CHARACTERISTICS

This is an advanced journey-level class that is responsible for performing a full range of duties as assigned, in addition to assisting the Senior Operator. Incumbents may fill in for the Senior Operator in that person's absence. Employees at this level receive only occasional instruction or assistance as new or unusual situations arise, and are fully aware of the operating procedures and policies of the work unit.

ESSENTIAL FUNCTION

These functions may not be present in all positions in multiple position classes. When a position is to be filled, the essential functions will be noted in the announcement of position availability.

1. Perform assigned treatment plant rounds inspecting, monitoring and documenting plant operations by reading plant equipment gauges, dials, graphs and other instrumentation.
2. Operate and adjust treatment plant pumps, motors, feeders and other equipment to maintain appropriate plant operations.
3. Maintain, compile and update plant operations logs and reports; perform and record mathematical calculations related to plant operational activities.
4. Mix and add treatment chemicals; ensure adequate chemical application according to regulations and guidelines.
5. Maintain, repair and service plant operations machinery and equipment including pumps, valves, motors, meters, tanks and reservoirs; change lubrications.
6. Collect water samples and perform a variety of routine water quality laboratory tests; work closely with the laboratory on testing processes.
7. Perform general plant facility maintenance including membrane replacement and reservoir cleaning; perform filter maintenance, media replacement and chemical treatment; perform routine facility repairs as required.

8. Load and unload materials and supplies; assist in the storage and transfer of chlorine and other hazardous treatment chemicals;
9. Perform related duties and responsibilities as required.

QUALIFICATIONS

Knowledge of:

Principles and practices of water treatment plant operations. Operating principles of plant equipment such as valves, pumps, and motors. Standard principles of the natural sciences including chemistry and biology. Advanced mathematics pertinent to work described herein. Laboratory analysis techniques and health standards for potable water. Operational and safety regulations pertaining to water treatment plant operations and vehicle and equipment usage. Sampling methods and techniques.

Ability to:

Operate and maintain water treatment plant equipment. Make accurate physical and chemical tests of water and maintaining accurate plant records. Diagnose complex operating problems and take effective courses of action. Make independent technical decisions to maintain proper treatment process. Maintain pertinent records and compile data into written reports. Work independently without supervision.

QUALIFICATIONS GUIDELINES

Education and/or Experience

Any combination of education and/or experience that has provided the required knowledge, skills and abilities necessary for acceptable job performance. . Example combinations include graduation from high school or equivalent and three years of technical experience in the operation of a water treatment plant with related college level course work.

Physical Requirements

Employees must meet the following requirements which are necessary to successfully perform the essential functions of this class: Communicate orally and by telephone with management, coworkers, and the public in face-to-face, one-to-one, and group settings; use office equipment such as computer terminals; sit for extended periods of time; have hearing and vision within normal ranges; carry, push, reach and lift up to 60 pounds; occasionally stoop, kneel or crouch; sufficient manual dexterity to operate equipment; walk on uneven terrain; work in an outdoor environment with possible exposure to harsh weather conditions, heavy equipment, dust, noise, and potentially hazardous substances; stoop, kneel, crouch, and climb; work in confined spaces; work in trenches and elevated areas.

Special Requirements

Possession of a Class C California driver's license and a satisfactory driving record.

Possession of or ability to obtain certification from District provided CPR/First Aid Training.

Possession of valid California Department of Health Services Grade III Water Treatment (Grade IV desired).

Certificate and California Department of Health Services Grade III Water Distribution Certificate.

FLSA Non-Exempt
Range 71

1300 Admin/job descriptions/reviewed 04/07