

CITY OF FOLSOM
WATER TREATMENT PLANT OPERATOR I/II

DEFINITION

Under supervision, perform a variety of routine and skilled technical duties in the operation of a water treatment plant, consisting of monitoring the water quality in the distribution system, monitoring of the SCADA system, monitoring and adjusting water and chemical levels, and conducting routine lab tests.

DISTINGUISHING CHARACTERISTICS

The Water Treatment Plant Operator I is the entry level in the class series. Under close supervision, incumbents learn and perform water treatment duties including daily physical analysis of the water and routine sample collection, and learning to use and monitor the SCADA system. Incumbents perform the same duties as a Water Treatment Plant Operator II, but work with less proficiency and greater supervision.

The Water Treatment Plant Operator II is the journey level class in the certified Water Treatment Plant Operator series, performing the full range of duties at a high level of independence under general supervision. It is distinguished from the next higher level of classification of Water Treatment Plant Operator III in that the latter receives only occasional instruction or assistance as new or unusual situations arise.

Positions in this class are flexibly staffed. At the discretion of the appointing authority, incumbents may be advanced to Water Treatment Plant Operator II provided they meet the required certification and minimum qualifications for the job class.

EXAMPLES OF ESSENTIAL DUTIES

The following are duties performed by employees in this classification. Duties listed are not meant to be all-inclusive. Other duties may be required as assigned.

- Operate Supervisory Control and Data Acquisition (SCADA) computer control.
- Monitor SCADA system and visually inspect treatment plant facilities to ensure proper operation.
- Assist in the inspection of new connections, new process facilities, and monitoring the water distribution or treatment system in accordance to water works standards.
- Operate the distribution or treatment system by operating valves, hydrants, reservoirs, and flow control facilities.
- Maintain the security of the water storage and supply facilities by making routine on-site visits.
- Investigate and respond to customer complaints and concerns in regards to drinking water.
- Complete and maintain the proper documentation and records pertaining to flows and chemical levels.
- Perform minor preventive and corrective maintenance on mechanical, hydraulic, electronic, and electrical equipment.
- Perform related duties as assigned.

EMPLOYMENT STANDARDS

Knowledge of:

- Principles, practices, and methods of operating a water treatment plant and distribution system.
- Water pipes, valves, reservoirs, pump stations, and their use in distributing water.
- Mathematics related to water treatment.
- SCADA system.
- Water sample collection and routine laboratory procedures.
- Routine preventive treatment plant maintenance.
- Federal, state, and local regulations pertaining to water treatment and distribution.
- Common word processing, spreadsheets, and database software.

Ability to:

- Analyze treatment plant processes and act when necessary.
- Exercise sound judgment within prescribed guidelines.
- Effectively operate a personal computer and treatment plant related software.

- Interpret and apply federal, state, and local regulations pertaining to water production and distribution.
- Perform basic calculations using concepts of basic algebra and geometry.
- Establish and maintain effective working relationships with those contacted in the course of work.
- Effectively communicate verbally and in writing.
- Maintain safe working practices.
- Enter confined spaces.

Minimum Qualifications:

WATER TREATMENT PLANT OPERATOR I

Education:

Equivalent to completion of the twelfth grade.

Experience:

One year of full-time experience in the maintenance, construction, and/or repair of water treatment plant operations, or water distribution facilities.

AND

License, Certificate, Registration Requirements:

- Possession of a valid Water Treatment Operator T1 certificate issued by the California Department of Public Health.
- Possession of or ability to obtain and retain a California Class C driver license by the time of appointment. Individuals who do not meet this requirement due to a disability will be reviewed on a case-by-case basis.

WATER TREATMENT PLANT OPERATOR II

Education:

Equivalent to completion of the twelfth grade.

Experience:

Two years of full-time experience in the maintenance, construction, and/or repair of water treatment plant operations, or water distribution facilities.

AND

License, Certificate, Registration Requirements:

- Possession of a valid Water Treatment Operator T2 certificate issued by the California Department of Public Health.
- Possession of or ability to obtain and retain a California Class C driver license by the time of appointment. Individuals who do not meet this requirement due to a disability will be reviewed on a case-by-case basis.

Physical Requirements:

Primary functions require sufficient physical ability and mobility to work in a field environment; to walk, stand, and sit for prolonged periods of time; to frequently stoop, bend, kneel, crouch, crawl, climb, reach, twist, grasp, and make repetitive hand movements in the performance of daily duties; to climb unusual heights on ladders; to lift, carry, push, and/or pull moderate to heavy amounts of weight up to 50 lbs; to operate assigned equipment and vehicles; and to verbally communicate to exchange information.

Vision: See in the normal visual range with or without correction.

Hearing: Hear in the normal audio range with or without correction.

Working Environment:

Work is performed in an outdoor field environment in inclement weather conditions; exposure to noise, unpleasant odors, chemicals, and other environmental substances; work in or around water; travel to and from various job sites; exposure to hazardous traffic conditions.

Other Requirements:

Must be willing to work weekends, holidays, and shifts.