CITY OF FOLSOM
WATER TREATMENT PLANT OPERATOR III

DEFINITION
Under general supervision, perform duties related to water supply and water treatment plant maintenance, repair and operations; perform technical work related to water supply and water treatment plant maintenance, repair, and operations.

DISTINGUISHING CHARACTERISTICS
The Water Treatment Plant Operator III is the advanced journey level class in the Water Treatment Plant Operator class series that independently performs complex or specialized assignments. This class is distinguished from the Water Treatment Plant Operator II by the full range of duties assigned. 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. This class is further distinguished from the Water Treatment Plant Chief Operator in that the latter is the lead-worker/specialist class in the series.

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 equipment in the water treatment facilities to control and monitor flow of water and processing chemicals.
- Monitor gauges and meters; record meter readings; enter data into computer; maintain a shift log.
- Observe variations in operating conditions; interpret computer, meter, and gauge readings.
- Check, standardize, and calibrate instruments, analyzers, and chemical feed pumps.
- Start and stop pumps and adjust flow control valves to maintain adequate water supply.
- Assist in the inspections, repair, removal, and installation of pumps, motors, and other equipment.
- Participate in preparation of reports for regulatory agencies.
- Prepare and maintain comprehensive records of repairs and replacement of water supply and water treatment plant equipment.
- Oversee the use of special equipment involved in maintenance and repair work; ensure proper use and care of tools, materials, and safety equipment.
- Operate mechanical equipment such as forklift and hoists.
- Respond to emergencies.
- Perform related duties as assigned.

EMPLOYMENT STANDARDS

Knowledge of:
- Modern plant equipment, methods, and developments in water treatment.
- Mechanical and electrical theories related to a water treatment plant.
- Physical, chemical, and bacteriological processes involved in water treatment and their effects on water quality.
- SCADA system.
- Routine preventive treatment plant maintenance.
- Confined space entry procedures.

Ability to:
- Troubleshoot and repair mechanical, electronic, and electrical malfunctions.
- Perform basic calculations using concepts of basic algebra and geometry.
- Calculate figures and amounts, proportions, percentages, area, circumference, volume, flow, dosage, and feed rates.
- Present information and respond to questions from management and citizens.
- Establish and maintain effective working relationships with those contacted in the course of work.
- Effectively communicate verbally and in writing.
- Prepare clear and concise reports.
- Enter confined spaces.

Minimum Qualifications:

Education:
Equivalent to completion of the twelfth grade.

Experience:
Three years of full-time experience as a certified Water Treatment Plant Operator in a water treatment plant while holding a valid Water Treatment Plant Operator T2 certificate issued by the California Department of Public Health.

AND

License, Certificate, Registration Requirements:

- Possession of a valid Water Treatment Plant Operator T3 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.

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Barg Unit: Local 39
Probation: 6 months