CITY OF FOLSOM
WATER DISTRIBUTION OPERATOR I/II

DEFINITION
Under supervision, assist in the operation of the water distribution system; perform or assist in performing laboratory tests; perform maintenance and repairs to the system and related equipment.

DISTINGUISHING CHARACTERISTICS
The Water Distribution Operator I is the entry level in the class series. Under closer supervision, incumbents learn to perform the same duties as a Water Distribution Operator II, but work with less proficiency and greater supervision. As experience and proficiency are gained and documented, incumbents operate with less supervision.

The Water Distribution Operator II is the journey level class in the class series. Incumbents perform the full range of duties at a high level of independence under general supervision. The Water Distribution Operator II is distinguished from the next higher level class of Water Distribution Operator III in that the latter works independently and 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 Distribution 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 class. 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 at the water treatment plant to control and monitor flow of water.
- Observe variations in operating conditions, computer equipment, meters, and gauge readings.
- Check, standardize, and calibrate instruments, analyzers, and chemical feed pumps.
- Start and stop pumps, adjust flow control valves to maintain adequate water supply.
- Collect and report samples and perform routine laboratory tests and analysis.
- Determine chemical and physical characteristics of system water.
- Operate various equipment such as forklifts and hoists.
- Inspect mechanical equipment.
- Operate valves and hydrants.
- Record meter readings.
- Maintain shift log.
- Perform related duties as assigned.

EMPLOYMENT STANDARDS

Knowledge of:
- Modern plant equipment, methods, and developments in water distribution and water quality.
- Pertinent federal, state, and local codes, laws, and water regulations.
- Physical, chemical, and bacteriological processes involved in water treatment and their effects on water quality.
- General chemical principles and laboratory practices and techniques used in examining water quality.
- Cross connection control.
- Mechanical and electrical theories.
- Confined space entry practice.

Ability to:
- Prepare clear and concise reports.
- Troubleshoot and repair mechanical, electronic, and electrical malfunctions.
- Calibrate equipment.
- Interpret and apply technical procedures and governmental regulations.

- Calculate figures and amounts, proportions, percentages, area, circumference, volume, flow, dosage, and feed rates.
- Apply 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.
- Enter confined spaces.

Minimum Qualifications:

WATER DISTRIBUTION OPERATOR I

Education:
Equivalent to completion of the twelfth grade.

Experience:
One year of full-time experience in the maintenance, construction, and repair of a water treatment plant and/or water distribution facility.

AND

License, Certificate, Registration Requirements:
- Possession of a valid Water Distribution Operator D1 certificate issued by the California Department of Public Health.
- Possession of or the 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 DISTRIBUTION OPERATOR II

Education:
Equivalent to completion of the twelfth grade.

Experience:
Two years of full-time experience in the maintenance, construction, and repair of a water treatment plant and/or water distribution facility.

AND

License, Certificate, Registration Requirements:
- Possession of a valid Water Distribution Operator D2 certificate issued by the California Department of Public Health.
- Possession of or the 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.