



JOB DESCRIPTION

SENIOR WASTEWATER TREATMENT PLANT OPERATOR

DEFINITION

Under limited supervision from the Treatment Plant Supervisor and Lead Senior Operator, serves as the shift operator responsible for the operation and maintenance of the Wastewater Treatment Plant. This is a journey level position that performs related duties independently with a high degree of initiative, as assigned.

EXAMPLES OF DUTIES: These examples are intended only as illustrations of the various types of work performed. The examples of work performed are neither restricted to nor all-encompassing of the duties to be performed under this job title. **(E=Essential Duty; M=Major Portion of Time)**

- Assists in supervision and direction of other plant operations personnel. **(M)**
- Operate pumps, valves, and other equipment to direct or regulate the flow of wastewater. **(E)**
- Properly obtain various samples and perform basic wastewater laboratory tests. **(E)**
- Operate, adjust, and maintain chemical feed equipment. **(E)**
- Perform various recordkeeping and prepare special reports as required. **(E)**
- Inspect and maintain a variety of plant equipment. **(E)**
- Follow safe work methods and safety precautions related to the work. **(E)**
- Assist in periodic maintenance work, including disassembly and repair of pumps, valves, flow-rate controllers, chemical dispensers, bar screens, collectors, and other plant equipment. **(E)**
- Maintain buildings and grounds. **(M)**
- Work various shifts and flexible hours, including weekends and holidays, and be available on standby for callback as assigned. **(E)**
- Provide training to other operators. **(E)**
- Utilize Supervisory Control and Data Acquisition (SCADA) system to track operational and plant process control trends. **(E)**
- Perform other duties as assigned.

QUALIFICATIONS

Knowledge of:

- Current methods, techniques, and equipment used in sewage disposal.
- Various chemicals and compounds used in wastewater treatment, and safe and appropriate handling techniques for their use.
- Operation, maintenance, and repair of wastewater treatment plant equipment.
- Wastewater treatment principles, methods, and practices.
- SCADA and personal computer systems, with ability to operate as related to wastewater treatment.
- Recordkeeping and reporting procedures.
- Safety rules, codes, and regulations pertaining to the work.
- Basic first aid and CPR techniques.

Ability to:

- Read and interpret gauges and recording devices reflecting plant operations.
- Conduct and interpret laboratory tests.
- Maintain, repair, and adjust wastewater treatment equipment.
- Keep records and prepare reports.

- Understand and carry out oral and written directions.
- Perform mathematical calculations as related to the wastewater treatment process.
- Perform heavy manual labor and lift up to 50 pounds.
- Tolerate changes in outside temperatures from winter to summer and tolerate dust, pollen, wind, and rain.
- Sit or stand for long periods of time.
- Walk on uneven or steep ground.
- Establish and maintain cooperative relationships with those contacted in the course of work.
- Work various shifts and flexible hours, including weekends and holidays.

Experience:

Four years of experience in the wastewater treatment field.

Education:

Equivalent to completion of the twelfth grade supplemented by courses in chemistry, algebra, and microbiology, and/or applicable courses in wastewater treatment as approved by the California State Water Resources Control Board.

Necessary Special Requirements:

- Possession of a valid Class C California Driver License as required for plant operation functions.
- Possession of a Grade III California Wastewater Plant Operator Certificate upon appointment to position. Or possession of a Grade II California Wastewater Treatment Plant Operator Certificate and pass the Grade III California Wastewater Treatment Plant Operator Certification Examination within 18 months, obtain a Grade III certification and demonstrate the competencies of a Senior Wastewater Treatment Plant Operator within 24 months as a condition of continued employment.

RESIDENCY REQUIREMENT

All Wastewater Treatment Plant employees shall be expected, within six months of hire, to establish permanent residence within a 45-minute notification to respond zone.

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