JOB DESCRIPTION

WASTEWATER TREATMENT PLANT OPERATOR

DEFINITION

Under supervision, to operate a sewage treatment plant; to perform routine laboratory tests; to make repairs and adjustments to plant equipment; and to perform related duties 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)**

- Operate valves and other controls to feed chemicals into sewage and water. (E-M)
- Regulate and control the flow of sewage through the plant, including the operation of bar screens, grit collectors, pumps, blowers, sludge collectors, chlorinators, and other equipment. (E-M)
- Read charts and gauges and maintain a log of plant operations during assigned shift. (E)
- Take samples of sewage and perform routine laboratory tests, such as chlorine residual, bio-chemical oxygen demand, dissolved oxygen, volatile solids, settleable solids, and other tests. (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)
- Oil, grease, and clean equipment.
- Perform maintenance painting of machinery equipment and piping.
- Perform grounds maintenance work, including watering and mowing lawns and caring for shrubbery. (E)
- Work various shifts and flexible hours, including weekends and holidays, and be available on standby for callback as assigned. (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:

- Methods, techniques, and equipment used in sewage disposal.
- Operation, maintenance, and repair of wastewater treatment plant equipment.
- Wastewater treatment principles, methods, and practices.
- 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.
- Perform mechanical work, which requires manual dexterity.
- 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:
One year of experience in the water or wastewater treatment field.

Education:
Equivalent to completion of the twelfth grade.

Necessary Special Requirements:
- Possession of a valid Class C California Driver's License as required for plant operation functions.
- Possession of a Grade I California Wastewater Operator Certificate. **Grade II and III's encouraged to apply.**

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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