



JOB DESCRIPTION

WASTEWATER TREATMENT PLANT OPERATOR/MECHANIC

DEFINITION

Under general supervision, to make minor and major mechanical repairs to various plant and other equipment, including vehicles, at the Wastewater Treatment Plant; and to do related work 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)**

- Perform periodic maintenance work, including the disassembly and repair of pumps, valves, flow-rate controllers, chemical dispensers, comminutors, and various other plant equipment. (E-M)
- Inspect, diagnose, and repair mechanical, hydraulic, and electrical systems on various large and small Water & Sewer Department equipment, including generators, compressors, vehicles, tractors, and trucks. (E-M)
- Operate valves and other controls to feed chlorine and other 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)
- Oil, grease, clean, and paint various plant equipment. (E)
- Perform a variety of outside plant maintenance work, including mowing, watering, and caring for shrubbery. (E)
- Prepare reports upon request.
- Perform metal welding and cutting. (E)
- Work flexible hours, including weekends and holidays, and be available on standby for callback as assigned. (E)
- Perform other duties as assigned.

QUALIFICATIONS

Knowledge of:

- Tools, equipment, and procedures used in the overhaul, repair, and adjustment of automotive and related power driven equipment, stationary power equipment, pumping equipment, and electrical systems used in a wastewater treatment plant.
- Methods, techniques, and equipment used in sewage disposal.
- Operation, maintenance, and repair of wastewater treatment plant equipment.
- Wastewater treatment principles, methods, and practices.
- Safe work practices and occupational hazards related to this work.
- Recordkeeping and report procedures.

Ability to:

- Inspect, diagnose, and repair mechanical, hydraulic, and electrical systems on various large and small Water & Sewer Department equipment, including generators, compressors, vehicles, tractors, and trucks.
- Perform mechanical repair, maintenance, and modification of various treatment plant equipment.
- Read and interpret gauges and recording devices reflecting plant operations.
- Conduct and interpret laboratory tests.
- Maintain records and prepare reports.
- 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.
- Work flexible hours, including weekends and holidays.
- Climb stairs in the performance of duties.
- Establish and maintain cooperative relationships with those contacted in the course of work.
- Understand and follow oral and written instructions.

Experience:

Two years of experience in the mechanical field; 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 Grade I California Wastewater Operator Certificate, or ability to obtain within 18 months of appointment to position.
- Possession of a valid Class A California Driver's License. (This position is subject to the United States Department of Transportation and Federal Highway Administration regulations relating to controlled substance and alcohol use and testing.)

RESIDENCY REQUIREMENT

All employees of the Wastewater Treatment Plant shall maintain a residence within a 45-minute notification to respond zone.

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