

VALLEJO SANITATION AND FLOOD CONTROL DISTRICT

JOB DESCRIPTION

MECHANICAL TECHNOLOGIST ENTRY LEVEL (3 STEPS)

DEFINITION

Under direct supervision of the Facilities Maintenance Superintendent performs any mechanical and electrical repair, maintenance and installation of sewage treatment plant and pumping station and storm water pumping station equipment; performs other related work as required.

DISTINGUISHING CHARACTERISTICS

Work in this class involves performing a preventative maintenance program as well as the repair and adjustment of sewage plant and pumping station equipment. The work involves the disassembly of equipment, replacement of parts, reassembly, alignment and adjustment of such equipment. Operates pumping stations.

TYPICAL EXAMPLES OF WORK PERFORMED

Under immediate supervision:

- o Is responsible for maintaining the sewage plant pumps and other equipment at peak operating efficiency.
- o Maintains mechanical equipment history with computerized maintenance program.
- o Investigates interruptions of service and diagnoses operation difficulties.
- o Performs the servicing and lubricating of sewage plant and pumping station equipment in accordance with prescribed schedules.
- o Uses micrometers, dial indicators, gauges, and some electrical testing equipment in the setting, aligning, and repairing of mechanical and minor electrical equipment.
- o May be required to operate treatment plant equipment.
- o Maintains grounds and buildings as directed.
- o Performs mechanical and some electrical work involving disassembly and replacement of work or broken parts, removal of operating units for shop repair, reinstallation and realignment of equipment.

TYPICAL EXAMPLES OF WORK PERFORMED (CONT:)

- o Responsible for Maintaining a supply of replacement parts which are required for the maintenance and repair of sewage plant and pumping station equipment.
- o Performs unscheduled and preventative maintenance work on all District equipment.

MINIMUM QUALIFICATIONS

Education and Experience: Graduation from High School or equivalent. Achievement of skills as an equipment maintenance mechanic for one year and/or three years of experience in a field of mechanics.

Knowledge, Skills and Abilities: Knowledge of methods, materials, tools and equipment used in the overhaul of engines and pumps. Skills in mechanical repair and overhauling work. General knowledge of the principles of electrical installation, maintenance, operation and testing. General knowledge of machinist's tools, shop equipment and operations; and of the working properties of various metals. Ability to do combination welding; and perform or assist in repairs to electrical and mechanical equipment; to maintain proper records; ability to make sketches from broken parts for replacements. Ability to read Operation and Maintenance Manuals and prints.

License Required:

- 1) A Grade I Mechanical Technologist Certificate, or higher, from the CWPCA shall be obtained within two (2) years from the date of appointment. Upon verification of certification, the employee may be eligible for promotion to Maintenance Mechanic I.
- 2) Must possess a valid California Class C Driver's License at the time of employment. The ability to drive District vehicles is a specific requirement for this position. For that reason it is the employee's responsibility to maintain a driving record that is acceptable to the District's insurance carrier or be subject to dismissal.

MINIMUM QUALIFICATIONS

Other Requirements: Must be able to work both inside and outside. May be exposed to weather, fumes, odors and dust. May be required to work various shifts, weekends and overtime. Must be able to ascend and descend ladders. Must be responsive to call-out or emergencies at all times.

NOTE: *All parts of this job description, except the license requirements, are subject to possible modification to reasonably accommodate individuals with a disability.*

Latest
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