



# Central Valley Water Reclamation Facility

## JOB DESCRIPTION

### Mechanic

<b>DEPARTMENT:</b> Maintenance	<b>EXEMPT:</b> No
<b>SUPERVISOR:</b> Mechanical Supervisor	<b>SALARY:</b> 25.75 to 42.57 DOE
<b>DATE:</b> 2/29/2024	<b>SHIFT:</b> Day

#### POSITION PURPOSE

Under the direction of the Mechanical Supervisor performs a wide variety of skilled in the design, fabrication, installation, maintenance, repair and servicing of mechanical equipment and machinery used in the production, treatment, storage and distribution of wastewater; and performs related duties as assigned.

Employee performs a wide variety of skilled work in the construction, installation, maintenance, repair and lubrication of industrial equipment and machinery ranging from fractional to 1,250 hp motors; booster pumps; disinfection equipment; well pumps; check valves and control valves, which include mechanical, electro-mechanical and hydro-mechanical systems; and related equipment, machinery and appurtenances used in the production, treatment, storage and distribution of wastewater. Trade areas covered by this class include mechanical maintenance and repair of industrial wastewater equipment, components, and machinery; plumbing and pipefitting; welding; and machine tool operation. Assignments may encompass a variety of tasks, working independently without instructions, and require sound judgment and initiative.

#### ESSENTIAL DUTIES AND RESPONSIBILITIES

- Performs a variety of skilled, journeyman-level duties involved in the inspection, diagnosis, troubleshooting, maintenance, repair and servicing of field and shop equipment, components, facilities and machinery associated with the production, treatment, storage and distribution of wastewater, such as pipes, seals, shafts, stuffing boxes, gears, motors, bearings, couplings, chemical storage and feed systems, flow stations, valves, deep wells and machinery ranging from fractional to 1,250 hp (vertical turbine, submersible, split case horizontal, electrical, natural gas, diesel, right angle, etc.); tests and monitors equipment and machinery for vibration, bearing temperature and output capacity.
- Fabricates and welds; uses drill presses, precision measurement instruments and makes calculations necessary to maintain tolerances of less than one-thousandth of an inch.
- Plans and lays out work from blueprints, drawings, sketches, or instructions; maintains records in the form of blueprints, plans and inspects industrial wastewater equipment and machinery.
- Uses lockout/tagout procedures to de-energize electrical and all other energy sources; reverse lockout/tag-out procedure when the area is safe and work is complete.
- Ability to operate a dump truck; boom truck; forklift; aerial lift, compressor; crane, excavator, jack hammer; portable and stationary generator; steam cleaner; pneumatic, hydraulic and electric tools; and related tools and equipment.
- Installs, replaces and repairs chemical storage, feed and distribution system components such as storage tanks, distribution lines, valves, and pumps.
- Ability to operate office machines such as: copier, fax machine, calculator, and computer.
- Maintains, repairs and services valves, pumping and flow stations.
- Coordinates activities with other departments.
- Ensures the timely and accurate completion of preventive and corrective maintenance activities.
- Requisitions necessary tools, equipment and supplies.
- Researches new operational methods, techniques, and equipment; and recommends their application.
- Designs and fabricates a variety of brackets, supports and other metal structures, using torches, welding equipment and other fabricating equipment.
- Uses precision measurement instruments and makes calculations necessary to maintain tolerances of less than one thousandths of an inch.

- Inspects, maintains and repairs hydraulic and pneumatic systems.
- Follows safety rules and regulations at all times.
- Be on-call@ as designated by company policy and department manager.
- Promotes and implements Arbinger principles.
- Other duties as assigned by the Mechanical Supervisor.

### QUALIFICATION REQUIREMENTS/SKILLS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- **Language skills** - Ability to read and write in English and interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals. Ability to write routine reports, work orders and correspondence. Ability to speak effectively before groups of customers or employees.
- **Mathematical skills** - Ability to calculate figures and amounts such as flows, proportions, percentages, area circumference, and volumes. Ability to apply concepts of basic algebra and geometry.
- **Reasoning ability** - Ability to solve practical problems and deal with a variety of concrete variables. Ability to interpret a variety of instructions furnished in written, oral, diagram, or schedule form.
- **Computer Skills** - Ability to type and use personal computer software including MS Word, Excel, and Power Point to create spreadsheets, reports, correspondence and presentations. Ability to learn and use new software application. Ability to use the Internet to acquire information and use Internet based software systems. Ability to use mobile devices including smartphones and tablets.

### EDUCATION and/or EXPERIENCE

- High School Diploma or general education degree (GED).
- Valid Utah Driver's License.
- Background in mechanics required.
- Pass Mechanic certification tests.
- Must pass Operator I certification test within two years or four testing cycles of start date.
- Must pass Mechanic Certification tests within allowable time frame
- State certification requirements must be met to continue employment with CVWRF.

### PHYSICAL DEMANDS

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. While performing the duties of this job, the employee is frequently required to stand; sit; use hands to finger, handle, or feel objects, tools, or controls; and reach with hands and arms. The employee frequently is required to stand and talk or hear; walk or sit; climb or balance; stoop, kneel, crouch or crawl; and smell. The employee must occasionally lift 50 and/or move up to 100 pounds.

#### **WORK ENVIRONMENT**

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. While performing the duties of this job, the employee frequently works near moving mechanical parts and is exposed to risk of electrical shock and vibration. The employee frequently works in extreme outside weather conditions, near moving mechanical parts, and on slippery and uneven surfaces. The employee is frequently exposed to wet or humid conditions, fumes or airborne particles, toxic or caustic chemicals and is required to wear protective gear. The noise level in the work environment is frequently loud and requires hearing protection to be worn most of the time.

#### **WORK PERFORMANCE**

Work performance will be evaluated regularly covering the following areas, as well as other areas. Job knowledge, attendance, quantity of work, quality of work, safety, cooperation and progress toward certification if applicable. It is essential that employees be able to execute their tasks at the highest level of performance.