JOB DESCRIPTION

Coachella Valley Water District

DATE: May 2005

TITLE: Mechanical Technologist III

SECTION: Electrical/Mechanical

DEPARTMENT: Trades & Support

REPORTING RELATIONSHIP:

Reports to: Supervisor Electrical/Mechanical

Supervises the following positions: not applicable

DEFINITION: This is the advanced level position in the Mechanical Technologist job series. Under direction, employees in this position perform maintenance on the mechanical and electrical equipment in operation at the District’s water reclamation plants, pumping stations, and related facilities, and perform related work as assigned.

ESSENTIAL FUNCTIONS:

1. Prepares, receives and reviews assignments for the mechanical maintenance of potable water, wastewater, storm drainage, hydraulic power, chemical handling systems, and oxygen injection systems.

2. Participates in the development of policies and procedures; monitors work activities to ensure compliance with established policies and procedures and makes recommendations for changes and improvements to existing policies and procedures.

3. Performs complex preventive mechanical maintenance.

4. Performs complex corrective mechanical maintenance by troubleshooting cause of malfunction using visual inspection and precision measuring and testing instruments and replacing or repairing broken parts such as gauges, gaskets, bearings, drive lines, valves, pistons, rings, crankshafts, and pumps.

5. Rebuilds equipment by disassembling, cleaning, ordering replacement parts, repairing mechanical malfunctions and reassembling and testing.

6. Plans or assists in the planning and implementation of computer based maintenance programs.

7. Estimates materials, equipment, and personnel necessary for scheduled and emergency repairs and maintenance.

8. Prepares and is responsible for equipment reports.
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ESSENTIAL FUNCTIONS (Cont.)

9. Trains personnel in the proper operation of tools and equipment, chlorine and confined space procedures, and safety practices.

10. Responsible for adherence to safety orders and compliance with federal CAL-OSHA regulations in all aspects of work.

11. Inspects work in progress and upon completion.

12. Coordinates work with other departments or agencies.

13. Assists in the planning, developing and the implementing of safety and training programs.

MINIMUM QUALIFICATIONS:

License or Certificates: Valid California Operators license issued by the State Department of Motor Vehicles. Department of Motor Vehicles driving record may influence employment or classification.

AND

Within 18 months of position appointment, must obtain a Mechanical Technologist Grade III certification from the California Water Environment Association.

Special Requirement: Must be able to tolerate the District’s immunization program.

Failure to comply with these requirements may influence employment or classification.

Training and Experience: Possession of a Mechanical Technologist Grade III certification from the California Water Environment Association; or a minimum of seven years experience in a mechanical and/or electrical maintenance field; or a combination of four years at the level of Mechanical Technologist II and three years experience in a mechanical and/or electrical maintenance field.

Knowledge of: -Maintenance and repair of all mechanically operated equipment with the reclamation plants, pumping stations, and related equipment.
-Knowledge of safe practices as mandated by the California Division of Industrial Safety and Cal OSHA.
-Principles of supervision and training.
-Principles and practices of reclamation plant operations.
-Mechanical equipment and electrical devices.
-Tools, including power tools, and the proper use of those tools.
-District policies, procedures, and safety procedures.
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MINIMUM QUALIFICATIONS (Cont.):

Ability to:  
- Supervise and train other levels of mechanical technologists.  
- Read and interpret maintenance procedures from manuals provided.  
- Read and understand simple blueprints of mechanical and electrical equipment.  
- Work under adverse conditions.  
- Be available to work standby, overtime, and shift work when required.  
- Work cooperatively with others.

PHYSICAL REQUIREMENTS:

1. Drive District vehicle to job sites including over rough terrain. Uses a two-way radio to communicate.

2. Works in extreme weather conditions including heat and rain. Will work in areas containing dust, fumes, exhaust.

3. Climbs ladders and work at heights up to 100 feet.

4. May work in potential confined spaces. Must have the ability wear and use appropriate safety equipment including a Self Contained Breathing Apparatus (SCBA).

5. Will work nights, weekends, holidays, and overtime when required.

6. Lift and carry objects in excess of fifty pounds.

See Human Resources for physical assessment form.