



MAINTENANCE TECHNICIAN I/II/III

ESSENTIAL FUNCTION

Performs a variety of skilled and advanced tasks in the installation, maintenance and repair of all District-maintained facilities, machinery and equipment.

DISTINGUISHING CHARACTERISTICS

Supervision is provided by the Supervisor of Treatment/Field Operations. Technical or functional supervision may be provided by other personnel. Employees may advance through the series upon satisfactory completion of training, licensing and certification requirements. Positions in these classes are flexibly staffed.

Maintenance Technician I is the entry-level classification in the Maintenance Technician series. Employees in the classification receive on-the-job training and experience in the maintenance of a wastewater system. As experience and proficiency are gained, assignments will become more varied and difficult and supervision become more general rather than direct.

Maintenance Technician II performs journey level work and is required to have previous experience and knowledge of the fundamentals of a wastewater system, which is typically attained through the Maintenance Technician I classification. Employees in this classification perform a broader range of duties, more technically complex tasks, are supervised less closely, are expected to set an example of professional efficiency, and may occasionally provide technical direction to less experienced maintenance staff.

Maintenance Technician III is the advanced level in the Maintenance Technician series and is involved in work that is complex and requires considerable experience, skill and technical knowledge, which is typically gained through the Maintenance Technician II classification. Positions in this class are distinguished from the Maintenance Technician I/II positions in that the employees are frequently called upon to make critical decisions that affect SAM's objectives.

ESSENTIAL DUTIES

Employees in any classification in this series may perform any combination of duties assigned to this series. The following list of duties is intended only to describe the various types of work that may be performed and the level of technical complexity of the assignment(s) and is not intended to be an all-inclusive list of duties. The omission of a specific duty statement does not exclude it from the position if the work is consistent with the concept of the classification.

Participates in inspection, troubleshooting, installation, maintenance, repair, replacement and overhaul of pumps, compressors, engines, generators, motors, switch gear, mechanical

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equipment, control systems, electrical systems, piping systems, and other fixtures and equipment found at SAM maintained facilities.

Performs preventive maintenance on all SAM maintained buildings, grounds, equipment and electrical systems.

Tests, locates, and repairs defects in electrical circuits or equipment.

Fabricates and modifies parts, structures and equipment from a variety of materials.

Uses a variety of hand and power tools, cutting and welding equipment and electrical testing equipment.

Operates vehicles and stationery machinery, as required.

Maintains records and logs of work performed.

Makes oral and written reports of work performed.

Leads and trains other personnel in maintenance work.

Performs any other duties that are appropriate for the scope and level of responsibility of this series.

KNOWLEDGE AND ABILITIES

Knowledge of the following is required to perform the essential duties of this classification.

- Methods, practices, materials, tools and equipment used in mechanical or electrical repair and maintenance of mechanical equipment, piping systems, and electrical systems;
- Operating and repair characteristics of the entire range of equipment and systems found at District-maintained facilities;
- Tools and equipment used in mechanical and electrical maintenance and repair;
- Mathematics as required to perform responsibilities of the position;
- Principles, practices, and techniques to effectively lead a crew;
- Safe working practices, safety hazards and appropriate precautions applicable to work assignments.

Ability to do the following is required to perform the essential duties of this classification.

- Wear S.C.B.A. and perform confined space entry and emergency response duties in protective clothing and equipment including S.C.B.A. weighing 32 pounds. Perform skilled repair work on machinery and equipment.

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- Perform and lead a variety of routine maintenance, service, and cleaning tasks at SAM maintained facilities.
- Recognize and report unusual, inefficient or dangerous mechanical and electrical situations;
- Interpret technical manuals, drawings, and specifications, including layouts, blueprints and schematics.
- Diagnose and determine effective course of action for correcting defects in electrical and mechanical systems and equipment.
- Use hand and power tools necessary in making general repairs and adjustments to motors, pumps, and other equipment, and fabrication, as necessary.
- Maintain work records and prepare clear and concise oral and written reports.
- Communicate effectively, both orally and in writing.
- Perform maintenance work independently.
- Work on-call as assigned which may include evenings, weekends and holidays.
- Drive and ride in vehicles for long periods of time.
- Withstand exposure to cold, heat, noise, vibration, outdoors, domestic waste, confining workspace and heights.
- Utilize appropriate safety precautions, methods, and apparatus to minimize and withstand exposure to chemicals, dust and mechanical and electrical hazards.
- Apply common sense to carry out written, oral or diagrammatic instructions;
- Understand and carry out oral and written instructions.
- Read, understand, and follow work rules and procedures.
- Accept constructive feedback.
- Integrate information at a steady pace and be able to perform tasks and responsibilities with reduced supervision within a reasonable time frame.
- Establish and maintain cooperative relationships with others.
- Learn and observe all safety precautions as required by SAM including, but not limited to, Cal/OSHA General Industry Safety Orders, SAM's Respiratory Protection Program, and District Safety Directives.

EXPERIENCE AND EDUCATION

Any combination of training and experience that demonstrates that a person has obtained the required knowledge and is able to perform the required work (with reasonable accommodation, if needed) will be considered. A person with the following training and experience would typically qualify to compete in a selection process.

Maintenance Technician I

Experience

One year experience in the repair and maintenance of equipment common to a treatment plant or similar type facility.

Education

High School Diploma or equivalent.

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License or Certificate

Possession of a Grade I Mechanical Technologist certificate issued by the California Water Environment Association (CWEA). Newly hired employees must meet this requirement prior to successful completion of the probation period.

Maintenance Technician II

Experience

One year of full-time experience as a Maintenance Technician I at SAM or two years of full-time experience in a wastewater treatment plant, or similar type facility, in a position equivalent to a Maintenance Technician I.

Education

High School Diploma or equivalent.

License or Certificate

Possession of a Grade II Mechanical Technologist certificate issued by the (CWEA).

Maintenance Technician III

Experience

Two years of full-time experience as a Maintenance Technician II at SAM or three years of full-time experience in a wastewater treatment plant, or similar type facility, in a position equivalent to a Maintenance Technician II.

Education

High School Diploma or equivalent.

License or Certificate

Must possess a Grade III Mechanical Technologist certificate issued by the (CWEA).

OTHER REQUIREMENTS

These requirements apply to all classifications within this series.

Must have and maintain a satisfactory driving record and be insurable by SAM for the operation of SAM vehicles. Possession of a valid State of California driver's license of the required category, compliance with established SAM vehicle operation standards.

Have or obtain valid First Aid and CPR certificates within one year of hire or promotion into this series.

While performing the duties of this job, the employee is regularly required to use hands to finger, handle, or feel and talk or hear in person or on the telephone or radio. The employee frequently is required to stand, walk, sit, reach with hands and arms, and smell. The employee is occasionally required to climb or balance and stoop, kneel, crouch, or crawl. The employee

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must be able to lift and/or move up to 25 pounds to shoulder height, up 50 pounds to waist height, and up to 100 pounds up to 9" off the ground (such as for a manhole cover). Specific vision ability required by this job includes close vision, distance vision, color vision, peripheral vision, depth perception, and ability to adjust focus.

While performing the duties of this job, the employee is frequently exposed to moving mechanical parts; fumes or airborne particles; to wet and/or humid conditions; and outdoor weather conditions. The employee is occasionally exposed to high, precarious places; toxic or caustic chemicals; construction project site conditions; extreme heat; risk of electric shock; and vibration. The noise level in the work environment is usually moderate with occasional exposure to loud equipment.

Employees of SAM are, by State and Federal law, Disaster Service Workers. In the event of a declaration of emergency, any employee may be assigned activities that promote the protection of public health and safety or the preservation of lives and property, either at the District or within the local or their own community.

EMPLOYMENT CONDITIONS

Fair Labor Standards Act Overtime: Non-Exempt

Collective Bargaining Representation Unit: Local 39

Appointment and Removal Authority: General Manager

Approved: 7/13/2016