

SENIOR WASTEWATER MECHANICAL SPECIALIST

DEFINITION

Under general supervision, provides lead direction and participates in the repair, service, and maintenance of equipment, machinery and related apparatus at the City's Wastewater Treatment Plant facilities.

SUPERVISION RECEIVED/EXERCISED

Receives supervision from a Wastewater System Supervisor. This classification provided lead direction to lower level staff, but does not exercise supervision.

DISTINGUISHING CHARACTERISTICS

Senior Wastewater Mechanical Specialist is the leadworker class in the Wastewater Mechanical series. The incumbent provides lead direction to Wastewater Mechanical Technicians and Specialists while participating in the repair, service, and maintenance of Wastewater Treatment Plant equipment and machinery. Senior Wastewater Mechanical Specialist differs from Wastewater Mechanical Specialist, in that incumbents of the latter do not provide lead direction. This class differs from Wastewater Treatment Maintenance Supervisor in that incumbents of the latter provide first-line supervision to lower level staff and are responsible for directing all maintenance activities.

EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES

May include, but are not limited to, the following:

Provides lead direction and participates in the service, repair, and maintenance of the Wastewater Treatment Plant machinery and related equipment.

Provides lead direction and participates in the maintenance duties associated with the cleanliness of equipment and adjacent areas.

Trains and instructs subordinate employees in the performance of their duties and ensures compliance with safety procedures.

Maintains service and preventive maintenance records on equipment and machinery in Computer Maintenance Management System (CMMS); maintains other pertinent information.

Maintains, repairs, and overhauls a variety of equipment, machinery, and control systems in the treatment plants to ensure efficient plant operation; .

Maintains an adequate inventory of spare parts and tools necessary to perform the

work.

Establishes procedures for installation and removal of equipment and machinery.

Performs related duties as required.

JOB RELATED AND ESSENTIAL QUALIFICATIONS

Knowledge of:

The practices, methods, tools and materials of the mechanical, electrical, and welding trades.

The operation of pumps, motors, and related Wastewater Treatment Plant equipment and machinery.

Occupational and safety hazards.

Skill/Ability to:

Develop and implement safety precautions.

Plan, direct, and train staff engaged in the repair, service, and preventive maintenance of equipment and machinery used at the Wastewater Treatment Plant.

Diagnose and correct operating malfunctions in mechanical and electrical equipment and systems.

Understand and work from technical materials, blueprints, drawings, schematics or other related materials

Use standard office equipment including computer, cell phones, or tablets with various software applications.

Use tools and equipment of the mechanical, electrical, and welding trades.

Work on elevated platforms and in confined spaces.

MINIMUM QUALIFICATIONS

Education:

Possession of a High School Diploma or equivalent GED completion.

Experience:

Three (3) years of experience performing mechanical maintenance in a municipal or industrial facility with emphasis on fluid pumping and mechanical drive systems.

Special Requirement(s):

Possession and of a valid California Class C Driver's License is required at time of application and continued maintenance throughout the entire term of employment in this classification.

Depending upon assignment, possession of a valid Commercial Class B California Driver's License may be required at the time of application and continued maintenance throughout the entire term of employment in this classification.

Valid California Water Environmental Association (CWEA) Mechanical Technologist Grade III classification is desirable.

PHYSICAL DEMANDS

The physical demands described here are representative of those that are necessary to safely, effectively, and efficiently perform the essential functions of this job with or without reasonable accommodation.

This classification's physical demands involve heavy work exerting up to 100 pounds of force occasionally with assistance, and/or up to 50 pounds of force frequently, and/or up to 20 pounds of force constantly to move objects. Additionally, the following physical demands may be required: balancing, climbing, crawling, crouching, feeling, manual dexterity, grasping, handling, hearing, kneeling, lifting, mental acuity, pulling, pushing, reaching, repetitive motion, speaking, standing, stooping, talking, visual acuity, walking.

APPROVED: _____ Signature on File _____ DATE: _____ 10/20/2025 _____
Director of Personnel Services

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