

WASTEWATER MECHANICAL SPECIALIST

DEFINITION

Under supervision, repairs, services, and maintains equipment, machinery, and related apparatus at the City's Wastewater Treatment Plant facilities.

DISTINGUISHING CHARACTERISTICS

Wastewater Mechanical Specialist is the journey level class in the Wastewater Mechanical series. Incumbents perform the more complex assignments in the repair, service, maintenance, fabrication, and installation of Wastewater Treatment Plant equipment and machinery. This class differs from Wastewater Mechanical Technician in that an incumbent of the latter performs at the entry level under close supervision. Wastewater Mechanical Specialist differs from Senior Wastewater Mechanical Specialist in that the incumbent of the latter provides lead direction to lower level staff.

SUPERVISION RECEIVED/EXERCISED

Receives supervision from a Wastewater Treatment Maintenance Supervisor or lead direction from a Senior Wastewater Mechanical Specialist. This classification does not exercise supervision.

EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES

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

Maintains and repairs a variety of equipment, machinery, and control systems in the treatment plants to assure efficient plant operations.

Overhauls pumps, motors, gearboxes and other equipment.

Diagnoses pumping, drive, hydraulic, and pneumatic problems and makes necessary repairs; maintains records of work performed.

Installs or replaces equipment and machinery; participates in major plant installations and overhauls.

Services machinery and equipment through preventive maintenance by performing periodic lubrication, adjustment, cleaning, and inspections for worn parts.

Performs related duties as required.

JOB RELATED AND ESSENTIAL QUALIFICATIONS

Knowledge of:

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

Operation of pumps, motors, gearboxes, and related Wastewater Treatment Plant equipment and machinery.

Occupational and safety hazards and methods to perform duties safely and efficiently.

Ability to:

Diagnose and correct operating malfunctions in mechanical, hydraulic, pneumatic, and pumping systems.

Work from sketches, blueprints, and/or oral instructions.

Establish and maintain effective working relationships with supervisors and co-workers.

Work on elevated platforms and in confined spaces.

Work on chemical systems that contain bases and acids.

Skill in:

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

MINIMUM QUALIFICATIONS

Two (2) years of experience equivalent to that gained as a Wastewater Mechanical Technician in the City service; or four (4) years performing mechanical maintenance in an industrial processing facility with emphasis on fluid pumping and mechanical drive systems.

Special Requirement(s):

Possession and continued maintenance of a valid California Driver's License at time of appointment.

Based upon assignment, possession of a valid Commercial Class B California Driver's

