

WASTEWATER TREATMENT PLANT TECHNICIAN

DEFINITION

Under supervision, operates and maintains Wastewater Treatment Plant equipment and facilities.

SUPERVISION RECEIVED/EXERCISED

Receives supervision from a Wastewater Operations Supervisor. Receives lead direction from a Senior Wastewater Treatment Plant Operator. Exercises no supervision.

DISTINGUISHING CHARACTERISTICS

Wastewater Treatment Plant Technician is the entry level class in the Wastewater Treatment Plant Operator series. Incumbents are responsible for the operation of a modern Class V secondary wastewater treatment plant. This class is distinguished from Wastewater Treatment Plant Specialist in that the latter is the journey level in which incumbents perform the more complex assignments. It is distinguished from Wastewater Treatment Plant Operator-in-Training in that the latter is the training level class.

EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES

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

Controls the treatment of wastewater through the operation of pumps, motors, and valves utilizing manual, automatic, and programmable systems.

Monitors and controls the performance of wastewater unit processes by a variety of methods including visual observation, physical measurement, sampling, testing, data collection/analysis, and mathematical calculations.

Utilizes a local area computer network and distributed control system in the routine operation and monitoring of the treatment facility and the collection and maintenance of plant operational data.

Collects representative samples from various plant flows and unit processes for laboratory analysis.

Monitors and controls plant operation using related instrumentation and equipment.

Performs minor routine preventive maintenance and troubleshooting of plant equipment, to maintain operating efficiency.

Maintains proper appearance and cleanliness of equipment and facilities.

Monitors and operates high pressure hydraulic, pneumatic and power boiler systems.

Operates other related systems such as a digester gas systems and associated equipment, secondary effluent disposal and water reclamation systems.

Performs related duties as required.

JOB RELATED AND ESSENTIAL QUALIFICATIONS

Knowledge of:

The occupational hazards and safety precautions related to the operation of mechanical/electrical equipment.

The operation and maintenance of mechanical/electrical equipment.

The procedures and safety requirements of working in confined spaces.

The characteristics and safety requirements of the use of various chemicals used in the wastewater treatment industry, e.g. chlorine, ferric/ferrous chloride, polymer, etc.

The various operational procedures and safety practices involved in the day-to-day operation of a wastewater treatment plant.

Skill/Ability to:

Use tools necessary to operate and maintain pumps and other related plant equipment.

Operate a motor vehicle safely.
Read meters and gauges correctly.

Follow oral and written instructions and make brief reports on plant operations.

Utilize a local area computer network and distributed control system in the routine operation and monitoring of the treatment facility and the collection and maintenance of plant operational data.

MINIMUM QUALIFICATIONS

Education:

Possession of a High School Diploma or equivalent GED completion.

Special Requirement(s):

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

Possession of a Wastewater Treatment Plant Operator Grade I certificate issued by the State Water Resources Control Board is required at the time of application and continued maintenance throughout the entire term of employment in this classification.

This classification is in a flexibly-staffed series, which allows incumbents to flex to the Wastewater Treatment Plant Specialist after obtaining the Wastewater Treatment Plant Operator Grade II Certificate.

The probationary period for employees in this classification shall be up to eighteen (18) months, at the discretion of management. An employee in this series must serve a minimum one (1) year probationary period.

Employees in this classification must obtain the Wastewater Treatment Plant Operator Grade II Certificate within eighteen (18) months of appointment. Failure to obtain the Wastewater Treatment Plant Operator Grade II Certificate within eighteen (18) months will be cause for termination from this classification.

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
Director of Personnel Services

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