

WASTEWATER PLANT OPERATOR

DEFINITION

This employee assists in the operation and maintenance of the wastewater treatment plant. The employee may also perform a variety of general labor activities such as operation of a truck, mowing, general mechanical repairs, painting, etc. The employee is under the direct supervision of the Chief Wastewater Plant Operator. Work is generally routine and is accomplished in accordance with established policies, procedures and practices. On occasion, independent judgment must be used when accomplishing tasks.

EQUIPMENT/JOB LOCATION

The employee will operate a wastewater treatment facility requiring the use of mechanical tools, laboratory and testing equipment, and specialized pumps, routers, etc. The employee may also operate a truck, mower, hand tools, and other equipment. The employee routinely works both indoors and outdoors and may be exposed to machinery with moving parts, noise, fumes and chemicals, extreme conditions of weather, heavy lifting, etc.

ESSENTIAL FUNCTIONS OF THE JOB

Conducts bacteriological and chemical tests required by local, state and federal regulations.

Observes the condition of sewage entering the treatment plant, adjusts the addition of chemicals for proper sewage treatment according to prescribed standards.

Responsible for the accurate completion of a variety of reports as required by local, state, and federal regulations.

Operates wastewater treatment plant.

Hauls sludge.

Checks, repairs, and maintains lift stations; washes and cleans basins; refills digester and drying beds.

ADDITIONAL EXAMPLES OF WORK PERFORMED

Performs general maintenance and labor activities such as mowing grass, operating a dump truck, spraying and weed-eating weeds, picking up debris, painting, maintaining and/or repairing equipment, etc.

May perform repairs on small electrical equipment and meters.

Performs related work as required.

REQUIRED KNOWLEDGE AND ABILITIES

Must have knowledge of the operation, type of defects and repair methods applicable to pumps, chlorinators, feeders and other plant equipment.

Knowledge of safety factors and hazards in handling sewage and wastewater treatment equipment.

Knowledge of chemistry and laboratory equipment and procedures.

Must have skill in the use and care of tools and equipment necessary to perform various mechanical repair tasks.

Knowledge of the theory and practice of modern wastewater treatment, and of the machines, equipment and material used in such treatment.

Knowledge of the layout of piping and valves at the wastewater treatment facility, lift stations, and wastewater collection system.

Knowledge of local, state, and federal regulations pertaining to wastewater treatment.

Must have an ability to establish and maintain effective working relationships with other employees and the general public.

Ability to perform bacteriological tests as required by state and federal regulations, to keep records and prepare clear and concise reports of wastewater operations.

Ability to understand and follow moderately complex written and oral instructions, read, write legibly and make accurate arithmetic calculations.

QUALIFICATIONS

Graduation from a standard high school, preferably supplemented by courses in chemistry, engineering or wastewater plant operations.

Must possess a valid Tennessee driver's license.

Must possess a valid State of Tennessee Class III Wastewater Treatment Plant Operator license.