

WASTEWATER TREATMENT PLANT OPERATOR

NATURE OF WORK

This is skilled work assisting in the supervision of a major segment of a wastewater treatment plant on an assigned shift.

Work involves responsibility for the general operation of a major segment of a wastewater treatment plant on an assigned shift. Employees of this class frequently operate a plant without benefit of immediate supervision and are called upon to make technical determinations regarding modifications of plant operating procedure pending review at some later time by a technical or an administrative superior. Supervision is received from a technical or an administrative superior who establishes routine operating standards, reviews records for operating results and gives specific instructions regarding new maintenance or operating practices. Supervision may be exercised over semi-skilled subordinate workers assigned to a given shift.

EXAMPLES OF WORK PERFORMED

Assists in the supervision of the operation of a major segment of a wastewater treatment plant on assigned shift; ensures efficient operation of pumps and chemical treatment equipment; takes periodic readings of meters; maintains log sheets; keeps constant surveillance of switchboard circuits, pumps and pressure.

Controls the operation of a wastewater treatment plant; maintains checks throughout in order to anticipate demand for wastewater treatment flow to digesters.

Gives instructions regarding modified operating procedures based on laboratory test reports of water or sludge quality; maintains desired pressure in the system.

Supervises the taking of raw and treated sludge samples for laboratory analyses.

Performs related work as required.

DESIRABLE KNOWLEDGE, ABILITIES AND SKILLS

Considerable knowledge of the operating principles and theories of a wastewater treatment plant.

Considerable knowledge of the established routines and practices for the operation of the equipment and related testing and measuring devices in the wastewater treatment plant.

Considerable knowledge of the preventive maintenance practices applicable to equipment operated.

Considerable knowledge of records maintenance practices as applied to plant operation.

Considerable knowledge of the work hazards and relevant safety precautions to be taken.

Knowledge of biology or chemistry as it applies to water pollution control plants.

Ability to supervise the work of subordinate personnel while participating in plant operations.

Ability to maintain plant operations within established standards.

Ability to recognize and remedy plant malfunctions.

Ability to make minor repairs to electrical and mechanical equipment.

Ability to maintain detailed operating records and prepare reports.

Ability to understand, follow and transmit oral and written instructions.

Ability to establish and maintain effective working relationships with co-workers and subordinates.

MINIMUM QUALIFICATIONS

Graduation from high school or equivalent supplemented by at least two years of college-level or technical school coursework in environmental science, environmental engineering or related fields, and two years of experience in the operation of a wastewater treatment plant; or any equivalent combination of training and experience that provides the desirable knowledge, abilities and skills.

NECESSARY SPECIAL REQUIREMENT

Possession of a valid driver's license when operating a vehicle is necessary for the satisfactory performance of assigned duties.

Possession of a Nebraska Class IV Wastewater Treatment Plant Operator Certification is a requirement within 24 months of appointment.

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