

MAJOR FUNCTION

This is manual and mechanical work in operating the treatment plant(s) assigned. Although the operator has some maintenance responsibilities, those responsibilities are secondary to the theoretical operational control of the plant. Duties are performed on an assigned shift. Although the Wastewater Plant Supervisor and Chief Wastewater Plant Operator are responsible for establishing operational guidelines, the operator is responsible for gathering and recording the information upon which operational procedures are based. Once procedures are established, the operator performs the operational duties. Work is reviewed through inspection and by observing the effectiveness of plant operations through the review of shift reports and chemical laboratory tests.

ESSENTIAL AND OTHER IMPORTANT JOB DUTIES**Essential Duties**

Monitors flow rates, dissolved oxygen, chlorine, residual, pH, turbidity, temperatures, mixed liquor suspended solids (MLSS), etc., and keeps accurate records of these and other operational parameters. Removes sludge, alters flow rates, and adjusts aeration volume, chemical feed rates, scum removal rates, etc., according to established routines and as necessary to achieve optimum treatment efficiency. Performs minor and emergency maintenance and repairs to plant equipment, such as, but not limited to, back flushing stopped up lines, removing stoppages from pumps, resetting tripped electrical circuits, repairing chlorine leaks, relighting heat exchanger and methane burner, cleaning bar screen, etc. Collects samples for laboratory analysis, and performs simple chemical analyses for plant process control. Performs related work as required

Other Important Duties

May coordinate the work of trainees. Participates in developmental and training activities as recommended by supervisor. Performs related work as required.

DESIRABLE QUALIFICATIONS**Knowledge, Abilities and Skills**

Considerable knowledge of the materials, equipment and procedures for modern sewage treatment and disposal. Knowledge of the occupational hazards involved in sewage treatment and disposal. Knowledge of the rules, regulations and public laws pertaining to sewage treatment plant operations. Knowledge of the methods, practices and procedures in the repair and maintenance of pumps, motors, valves, sludge collectors, aerators and related equipment and the ability to make repairs and adjustments to plant equipment. Knowledge of chemistry and mathematics as they apply to sewage treatment. Understanding of the lay-out and flow patterns of sewage treatment plants. Ability to conduct routine chemical tests, work shifts, read meters and charts accurately, and to maintain simple records of plant operations. Ability to understand and follow oral and written instructions.

Minimum Training and Experience

Possession of a high school diploma or an equivalent recognized certificate and...*,

*Wastewater Plant Operator "C"...certified as a Wastewater Plant Operator "C" by the State of Florida with one year experience in the operation and maintenance of a Wastewater Plant.

*Wastewater Plant Operator "B" ...certified as a Wastewater Plant Operator "B" by the State of Florida with two years experience in the operation and maintenance of a Wastewater Plant.

*Wastewater Plant Operator "A" ...certified as a Wastewater Plant Operator "A" by the State of Florida with four years experience in the operation and maintenance of a Wastewater Plant.

Necessary Special Requirements

Incumbents of designated positions assigned to this class may be required to possess a valid class E State driver's license or the appropriate State Commercial Driver's License (CDL) and endorsement(s) at the time of appointment, or must have passed the appropriate written CDL test/endorsement(s) and obtained a CDL permit at the time of appointment and obtain the appropriate CDL licensure within 60 calendar days from date of employment as a condition for continued employment.

Note: Operators certified in a state other than Florida shall be referred to the department for consideration as a Wastewater Treatment Plant Operator Trainee.

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