

WASTEWATER TREATMENT PLANT OPERATOR

DISTINGUISHING FEATURES OF THE CLASS:

This position involves responsibility on an assigned shift for the efficient operation and maintenance of a wastewater treatment plant employing the activated sludge process. Work is performed under supervision of a higher-level employee in accordance with established policy with leeway allowed for the exercise of independent judgment in planning and carrying out the details of the work. Supervision is exercised over Wastewater Treatment Plant Operator Trainees and Attendants. Does related work as required.

TYPICAL WORK ACTIVITIES:

Oversees the operation of a wastewater treatment plant to assure the most economical and efficient use of equipment and supplies on an assigned shift;

Operates incinerator, controlling feed rate, draft, temperature, shaft speed, ash removal and emissions;

Performs laboratory tests for control of plant operations;

Records readings of meters and gauges;

Maintains inventory of bulk chemicals and other plant supplies;

Monitors sludge deliveries from other municipalities;

Starts and stops pumps, motors, air compressors, and related machinery and equipment;

Makes minor repairs to machinery and equipment;

Treats and disposes of sludge;

Takes sample of sewage for testing;

Supervises the work of plant Trainees and Attendants;

Performs custodial duties in connection with the cleaning and maintenance of plant buildings and grounds;

Keeps a log of plant operations and related records.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Good knowledge of the principles and practices involved in the operation and maintenance of a wastewater treatment plant;

Good knowledge of the principles and applications of physics, chemistry and bacteriology as applied to wastewater treatment and disposal;

Working knowledge of the tools, equipment and terminology used in the maintenance and repair of wastewater treatment systems;

Ability to make routine laboratory and field tests for control of plant operations;

Ability to follow oral and written directions;

Ability to maintain records and prepare reports;

Skill in the operation and repair of pumps, valves and related mechanical and electrical equipment;

Mechanical aptitude;

Physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS: Possession of a current Grade 3-A Wastewater Treatment Plant Operator certificate issued by the New York State Department of Environmental Conservation.