

WASTEWATER TREATMENT PLANT OPERATOR 2

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. This position verifies chemical testing and evaluating parameters pertaining to the operation and maintenance of the wastewater treatment plant and the industrial waste pretreatment program. 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:

Manages the Industrial Pretreatment program:

- Makes on-site visits to determine industrial user compliance with applicable pretreatment standards and ordinances;
- Directs field sampling as it relates to industrial wastewater quality monitoring programs;
- Evaluates industrial user permit applications for compliance with Code of Federal Regulations (CFR) and Sewer Use Ordinance (SUO);
- Reviews contract monitoring lab sampling results for compliance with permits
- Administers legal actions in accordance with Code of Federal Regulations (CFR) for significant non-compliance and enforcement response plan as required by program document;
- Identifies and/or verifies known or suspected problems causing discharge violations;
- Notifies industrial users of changes or updates in Code of Federal Regulations (CFR) or Sewer Use Ordinance (SUO);
- Reviews and recommends revisions to the Sewer Use Ordinance (SUO);
- Inspect each industrial user annually for continued compliance with discharge permits;

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

Performs laboratory tests for control of plant operations;

Maintains inventory of bulk chemicals and other plant supplies;

TYPICAL WORK ACTIVITIES CONTINUED:

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 practices of industrial pretreatment

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;

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS CONTINUED:

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:

(A) an “Approved Associate in Applied Science” (A.A.S) from a duly accredited university or school in one of the following curriculums approved by the NYSDEC:

1. Ecology and Environmental Technology from Paul Smith College
2. Water Quality Monitoring from Ulster County Community College
3. Environmental Technology for SUNY- Morrisville
4. Water/Wastewater Technology from Crowder College

(B) an Associates in Applied Science (A.A.S) degree from a duly accredited university or school plus eighteen (18 months of operating experience at a wastewater treatment plant (An associates of Arts (AA) degree with 30 credit hours of math or science is considered equivalent of A.A.S Degree) or

(C) a high school diploma or High School Equivalency diploma and three years of operating experience at a wastewater treatment plant.

(D) An equivalent combination of education and experience as defined by the limits of (A) and (B) and (C) above.

Possession of a current Grade 3-A or Grade 4-A Wastewater Treatment Plant Operator certificate issued by the New York State Department of Environmental Conservation.

Possession of a valid New York State driver’s license.