

# SEWAGE TREATMENT PLANT OPERATOR (TYPE B PLANT)

## Tompkins County

**Classification:** Competitive

**Labor Grade:** 0

**Approved:** 0

### **MINIMUM QUALIFICATIONS:**

Graduation from high school or the possession of a New York State high school equivalency diploma **AND** satisfactory completion of an appropriate course of instruction approved by the Commissioner, Department of Environmental Conservation; not less than three months of satisfactory experience in the actual operation of a sewage treatment plant with facilities for chemical precipitation, sludge vacuum filtration, sludge incineration, separate sludge digestion, or any biological oxidation process other than the activated sludge and the stabilization or oxidation pond process and possession of the II-B certificate at the time of appointment.

### **SPECIAL REQUIREMENTS:**

Must possess a Grade II-B Sewage Treatment Plant Operator certificate issued under the provisions of the New York State Sanitary Code at the time of appointment.

Possession of a II-B Water Treatment Plant Operator certificate within two years of appointment.

Tompkins County is Committed to Equity and Inclusion. We encourage those with similar values to apply.

### **DISTINGUISHING FEATURES OF THE CLASS:**

A Sewage Treatment Plant Operator has responsibility for the operation of a sewage treatment plant. This is routine but important work involving responsibility for the efficient operation and maintenance of a Type II B Sewage Treatment Plant with facilities for chemical precipitation, sludge vacuum filtration, sludge incineration, separate sludge digestion, or any other biological oxidation process other than the activated sludge and the stabilization or oxidation process. The work is performed under the general supervision of an operator qualified to be in charge of the operation of the plant. Supervision may be exercised over subordinate employees in the performance of their assigned duties. The incumbent will perform all related duties as required.

### **TYPICAL WORK ACTIVITIES:**

- Starts and stops pumps, motors, air compressors, and related machinery and equipment;
- Makes minor repairs to machinery and equipment;
- Records readings from meters and gauges;
- Treats and disposes of sludge;
- Operates trickling filters;
- Adds chlorine to sewage;
- Takes samples of sewage for testing;
- Makes necessary tests for control of plant operation;
- Assists in the instruction of trainees;
- Supervises the work of laborers and other subordinate employees;
- Keeps a log of plant operations and related records;
- Performs custodial duties in connection with maintenance of buildings and Grounds;
- Prepares annual operating budget for the water and sewer funds;
- Maintains control over all expenses in the operating budget for the water and sewer funds;
- Prepares reports and/or applications for permits as requested or required by the village board and various state agencies such as the Department of Environmental Conservation, Department of Health, and Highway Department;
- Maintain records of departmental activities and prepares reports.

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

- Good knowledge of the practices used and the equipment required in the operation and maintenance of a Type II B Sewage Treatment Plant with facilities for chemical precipitation, sludge vacuum filtration, sludge incineration, sludge oxidation, separate sludge digestion, or any other biological oxidation process other than the activated sludge and the stabilization or oxidation pond process;
- Working knowledge of the principles and applications of physics, chemistry and bacteriology as applied to sewage treatment and disposal;
- Skill in the operation and repair of pumps, valves, and related mechanical and electrical equipment;
- Ability to read, understand and record data from gauges, scales, and meters;
- Ability to make routine laboratory and field tests for control of plant operations;
- Ability to understand and carry out oral and written instructions; Mechanical aptitude, alertness and dependability are required;
- The employee's physical condition shall be commensurate with the demands of the position.