

Water Treatment Plant Operator, Type C Plant Tompkins County

Department: Various Agencies Throughout Tompkins County

Classification: Full-time Competitive. Non-competitive part-time Town of Danby only. Competitive PJC all others.

Approved: 0

Revised: 10/17/2013

By: AF, Commissioner of Personnel

MINIMUM QUALIFICATIONS:

Graduation from high school or possession of a high school equivalency diploma, satisfactory completion of a minimum of 18 hours of instruction as approved by the State Department of Health and not less than six months of satisfactory experience in the actual operation of a grade C water treatment plant. Possession of a valid Class C water treatment plant operator certificate is required at the time of appointment.

NOTE: Part 5, Subpart 5-4.4 of the State health code may provide some substitutions for the training and/or experience outlined above. If you do not meet the above, it is your responsibility to research the alternatives and provide facts and documentation that will demonstrate how you qualify.

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

SPECIAL REQUIREMENTS FOR APPOINTMENT:

Eligibility for a Grade C certificate issued under the provisions of the New York State Sanitary Code at the time of application. Possession of such certification at the time of appointment. Maintenance of such certification for the duration of employment.

Possession of a valid New York State Drivers license at the time of appointment and maintenance of such license for the duration of employment.

DISTINGUISHING FEATURES OF THE CLASS:

This is routine but important work involving responsibility for the efficient operation and maintenance of a Type C Water Treatment Plant serving 1,000 people or less. The system has facilities for basic treatment including; bag, cartridge, pressure and/or other basic filtration and/or pressure zones, booster stations, storage tanks, fire protection, disinfection, non-residential consumers, cross connection potential, demand variation, etc. The incumbent may be required to apply chemicals to the water, such as chlorine or chlorine compounds, chlorine dioxide, chlorine ammonia, fluoride compounds, or de-chlorinate water as necessary. The work is performed under 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: (Illustrative only)

Operates pumps, valves, motors, and related machinery and equipment;
Performs maintenance work and makes minor repairs to machinery and equipment;
Records readings of meters, gauges and scales;
Regulates and adjusts chlorinators;
Cleans or replaces filtration bags, cartridges or other filtration systems or washes filter beds and settling basins, if existing;
Takes samples of water for testing;
Makes necessary tests for control of plant operation;
Assists in the instruction of trainees;
Supervises the work of assistants, laborers or other subordinate employees;
Keeps a log of plant operations and related records;
Performs custodial duties in connection with maintenance of buildings and grounds.

KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Good knowledge of the practices used and equipment required in the operation and maintenance of a Type C Plant with facilities for the application of chemicals to the water, such as chlorine or chlorine compounds, chlorine dioxide, chlorine ammonia, fluoride compounds, or the process of de-chlorination;

Working knowledge of the principles and application of physics, chemistry and bacteriology as they relate to water purification;

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 operation;

Ability to understand and carry out oral and written instructions;

Mechanical aptitude, alertness and dependability are all required attributes;

The employee's physical condition shall be commensurate with the demands of the position.

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