

CHIEF WATER TREATMENT PLANT OPERATOR
(TYPE IA PLANT)

DISTINGUISHING FEATURES OF THE CLASS: This position has responsible charge of the complete and actual operation of a water treatment plant. This is an important supervisory and technical position involving responsibility for regulatory compliance and the safe and efficient operation and maintenance of a Type IA Water Treatment Plant containing facilities for filtration with pretreatment and chemical dosing processes. General direction is received from the appointing authority but wide leeway is allowed for planning work methods and dealing with emergency conditions. Supervision is exercised over all lower grade operators, trainees, laboratory personnel and mechanical and maintenance assistants; does related work as required.

TYPICAL WORK ACTIVITIES: (Illustrative Only)

- Supervises and participates in the operation of the plant to assure the most efficient and economical use of equipment, supplies and manpower;
- Makes daily inspection of plant and plant machinery;
- Makes or supervises necessary tests for control of plant operation;
- Issues instructions for the regulation of chlorinators and chemical feeders;
- Schedules and supervises the cleaning and washing of filters;
- Schedules and supervises the operation and maintenance of UV equipment;
- Schedules and supervises the operation and maintenance of pump stations;
- Schedules and supervises the operation and maintenance of the lagoons for water plant residuals, temporary storage of wet and dewatered sludge, and disposal of dried material;
- Schedules and supervises the operation and maintenance of analytical instruments, pressure and flow transmitters and water level monitors throughout the system;
- Supervises and instructs operators, trainees and other subordinate employees;
- Conducts periodic examinations of plant equipment and directs necessary repairs and maintenance;
- Maintains inventory of supplies, chemical and equipment;
- Requisitions materials;
- Maintains records and prepares periodic reports on the operation of the plant;
- Oversees the operation of sluice gates for control of the raw water pipeline from the Alcove Reservoir;
- Oversees the operation of valves at Loudonville Reservoir;
- Oversees the maintenance of water quality in the Loudonville Reservoirs, including manual dosing with chlorine during the warm months;
- Prepares employee payrolls.
- Performs related work as required.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

- Thorough knowledge of the practices used and equipment required in the operation and maintenance of a Type IA Water Treatment Plant containing facilities for filtration with pretreatment;
- Thorough knowledge of the operations of a modern water treatment plant;
- Thorough knowledge of the principles and applications of physics, chemistry and bacterially as they relate to water purification;
- Skill in the operation of manual and power tools;
- Ability to supervise the operation and repair of pump, valves and related mechanical and electrical equipment;
- Ability to make routine laboratory and field tests for control of plant operation;
- Ability to plan and supervise the work of subordinates;
- Ability to deal effectively with others;
- Mechanical aptitude;
- Alertness and dependability;
- Physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS:

I. A current New York State IA Water Treatment Plant Operator Certification AND:

A. Either:

1. Possession of a New York State professional engineer's license and two (2) years of satisfactory experience in the actual operation of a IA water treatment plant; **OR**
2. Graduation from high school or possession of a New York State high school equivalency diploma and ten (10) years of satisfactory experience in the actual operation of a water treatment plant; with at least five (5) years at a grade IA water treatment

NOTE:

Position may require ability to work Saturdays, Sundays, and holidays; and able to work shift assignments during the day, evening and nights.

A valid NYS Driver's License is required at the time of appointment and for the duration of employment.

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