

WATER TREATMENT PLANT OPERATOR-MAINTENANCE MECHANIC I

DISTINGUISHING FEATURES OF THE CLASS: The work involves responsibility for assisting in the installation, maintenance, repair and preventive maintenance on all machinery and equipment in a Type “IA” Water Treatment Plant and affiliated well stations. An employee in this class also works as a Water Treatment Plant Operator when assigned by the Senior Water Treatment Plant Operator who maintains general supervision over the position. An individual working in this class may supervise Water Treatment Plant Operators, Water Treatment Plant Operator Trainees and Laborers as assigned to assist. A Water Treatment Plant Operator – Maintenance Mechanic I does related work as required.

TYPICAL WORK ACTIVITIES:

- Operates pumps, valves, motors, and related machinery and equipment;
- Records readings of meters, gauges, and scales;
- Regulates and adjusts chlorinators;
- Washes filter beds and settling basins, if existing;
- Takes samples of water for testing;
- Makes necessary tests for control of plant operation;
- Assists in installing, maintaining and repairing pumps, filters, plumbing and heating systems, electrical circuits, valves, chemical feeders, reservoir disinfection facilities, northeast booster station and transmitting vault, and other machinery and equipment at the Water Treatment Plant;
- Assists in maintaining plumbing and heating systems;
- Performs minor electrical maintenance at plant;
- Assists in maintaining buildings and wells;
- Assists in major overhaul, repair or installation of equipment;
- Keeps records of all maintenance and repair work;
- Assists in maintaining an inventory of spare parts;
- Requisitions needed equipment;
- Calibrates meters;
- Trains operators on minor maintenance of machinery and water supply apparatus;
- Answers emergency calls for repairing plant equipment and facilities;
- Checks self-contained breathing apparatus.

FULL PERFORMANCE KNOWLEDGE, SKILLS, AND ABILITIES: Good knowledge of installation, operation and maintenance of mechanical systems and equipment of the facility such as filters, pumps, plumbing and heating systems, electrical circuits, valves, chemical feeders, reservoir disinfection facilities, well houses and northeast booster station and transmitting vault; working knowledge of building repair and of the practices and principles of the trades involving plumbing, painting and carpentry; working knowledge of the principles and application of physics, chemistry and bacteriology as they relate to water purification; good knowledge of treatment processes and flow patterns for a type “A” water treatment plant; ability to read blueprints; ability to keep accurate records; ability to make routine laboratory and field tests for control of plant operation; ability to understand and carry out oral and written instruction;

mechanical aptitude; good judgment; alertness; dependability; initiative; physical condition sufficient to perform the essential functions of the position.

MINIMUM QUALIFICATIONS: Both:

- a) At the time of appointment, applicants must be currently certified by the NYS Department of Health. This certification must be at or above the minimum level necessary as prescribed by law (as described in 10NYCRR Subpart 5-4 – *Classification and Certification of Community and Nontransient Noncommunity Water System Operators*). Specifically, Water Treatment Plant Operators at a IA plant must be minimally certified at the IIA level. This certification, which must be renewed every three years, must be maintained throughout the course of employment; and
- b) One year of experience at a Type IA plant.

SPECIAL REQUIREMENTS: Possess at time of appointment and maintain a valid New York State driver's license.

CATTARAUGUS COUNTY CIVIL SERVICE COMMISSION

Adopted 4/19/2012