

Jurisdictional Class: Competitive; Non-Competitive in Towns
Adopted: June 2, 1981
Revised: August 20, 2010

WATER MAINTENANCE MECHANIC

DISTINGUISHING FEATURES OF THE CLASS: This is a technical and manual position involving responsibility for performing moderately complex duties such as making semi-skilled plumbing installations in the extension, maintenance, and repair of a municipal water system and for treating water by addition of chemicals such as chlorine or chlorine compounds. The work is performed under general supervision of a higher level supervisor with leeway allowed for exercise of independent judgment in carrying out details of the work. Supervision may be exercised over subordinate employees in performance of their assigned duties. An incumbent does related work 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;
Makes taps on water mains for customer services and for installing valves, gates, and fire lines;
Locates leaks, installs clamps and sleeves, and makes other emergency repairs;
Installs, repairs, and resets hydrants, valves, meters, pumps, and related water distribution equipment;
Operates mechanical equipment including air compressors, drills, and thawing machines;
Digs trenches for service lines and water mains;
Records readings of meters, gauges, and scales;
Regulates and adjusts chlorinators;
Takes samples of water and 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.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES & PERSONAL CHARACTERISTIC:

Good knowledge of the practices used and equipment required in the operation and maintenance of a water treatment plant and for the application of chemicals to the water, such as chlorine or chlorine compounds, chlorine-dioxide, chlorine-ammonia, fluoride compounds, or the process of dechlorination;
Good knowledge of the common practices, principles, terminology, and safety precautions used in the maintenance and extension of a municipal water system;
Good knowledge of the use of tools and equipment required in the construction and repair of a municipal water system;
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 perform heavy manual labor for extended periods, sometimes under adverse weather conditions;
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;
Willingness to report for emergencies;
Mechanical aptitude.

Water Maintenance Mechanic

MINIMUM QUALIFICATIONS: One (1) year of training and/or experience in plumbing work or in the maintenance of a public or private water system and either:

- (a) Possession of a current appropriate Grade-level Water Treatment Plant Operator certificate issued by the New York State Department of Health for the designated plant classification as governed by the provisions of the New York State Sanitary Code; or
- (b) Possession of a current Grade D Distribution System Operator Certificate issued by the New York State Department of Health as governed by the provisions of the New York State Sanitary Code.