

Jurisdictional Class: Competitive
Adopted: March 13, 1996
Revised: August 20, 2010

WATER AND WASTEWATER FACILITIES MECHANIC

DISTINGUISHING FEATURES OF THE CLASS: The work involves responsibility for performing or overseeing the performance of a variety of skilled maintenance activities in support of the operation of a municipal water and wastewater facility. An incumbent functions generally as a Water and Wastewater Maintenance Worker II as well as performs difficult and technical repair and preventive maintenance work on water/wastewater plant equipment and overhaul and repair of associated machinery. Work also involves minor repair of the physical structures themselves. The work is performed under the general supervision of the Superintendent or Assistant Water/Wastewater Superintendent. Supervision may be exercised over the work of subordinates. The incumbent does related work as required.

TYPICAL WORK ACTIVITIES: (Illustrative only)

Climb towers 140' above ground for maintenance on aviation lights;
Reads, removes and resets water meters in the homes of consumers;
Installs and does routine maintenance of hydrants and gates;
Leads and participates in the installation, cleaning, repair, and maintenance of storm and sanitary sewers;
Leads and participates in the installation, cleaning of catch basins, sanitary manholes, or wet wells;
Investigates complaints dealing with blockage or water leaks and, by standard tests, determines location of leaks;
Supervises, leads, and participates in excavation and backfilling work, in digging operations, and insures that proper safety procedures are followed;
Leads and participates in the operation and maintenance of water plants and pump stations (water and wastewater);
Operates and maintains equipment associated with the maintenance, repair, and operation for replacement of water and wastewater systems;
Installs new water and wastewater services;
Leads and participates in the installation and repair of water and sewer mains;
Maps water valves, manholes, and fire hydrants;
Maintains and updates records for valve and hydrant testing;
Maintains buildings and equipment used by the department;
Inspects new facilities for compliance with local laws and ordinances;
Prepares daily reports;
Operates water treatment plant and/or wastewater treatment plant and/or test backflow prevention devices;
Operates heavy equipment or related automotive equipment in the performance of duties;
Leads and participates in the television and inspection of sanitary sewers with a TV inspection system;
Establishes a schedule of maintenance for all water and wastewater equipment;
Maintains an inventory of tools and equipment;
Leads and participates in the repair of water and wastewater buildings, including plumbing, carpentry, electrical, painting, mechanical, and fixture work;
Troubleshoots electrical circuits associated with the operation of water and wastewater systems;
Functions as a skilled mechanic in the repair of stationary and self-propelled gasoline and diesel motor equipment related to the operations of a water and wastewater system;
Welds and fabricates equipment as necessary for the efficient operation of water and wastewater systems;
Maintains a variety of records and prepares reports as required.

Water and Wastewater Facilities Mechanic

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES & PERSONAL CHARACTERISTICS:

Good knowledge of maintenance, cleaning, and construction activities and of the tools, terminology, and equipment used in the operation of a municipal water distribution and wastewater system;

Good knowledge of the safety precautions exercised in such work;

Good knowledge of modern buildings maintenance or repair practices;

Good knowledge of standard automotive repair methods, terminology, and tools of the trade;

Ability to perform skilled maintenance on automotive equipment;

Ability to read and interpret blueprints, diagrams, and specifications;

Ability to perform skills construction and repair work ordinarily required in the operation of a water distribution and wastewater system;

Ability to supervise the work of others;

Ability to understand and carry out oral and written directions;

Basic map reading skills;

Mechanical aptitude.

MINIMUM QUALIFICATIONS: Four (4) years of experience in the construction and maintenance of water and wastewater lines; and, where required, possession of either:

- (a) New York State Certificate as Operator of Public Wastewater Treatment Plants; or
- (b) New York State Certificate as Community Water System Operator Class "C" minimum; or
- (c) New York State Certificate Backflow Prevention Device Tester.

SPECIAL REQUIREMENT: Eligibility for an appropriate New York State Driver's license at time of application. Possession of license at time of appointment.

NOTE: All licenses/certificates must be kept current.