

**WATER MAINTENANCE & SYSTEM OPERATOR/
MOTOR EQUIPMENT OPERATOR (HEAVY)**

DISTINGUISHING FEATURES OF THE CLASS: The incumbent in this position performs a dual function as a licensed Water System Operator and a Motor Equipment Operator (Heavy) for the Town of Binghamton. The work involves skilled and semi-skilled duties in the operation, installation, maintenance, and repair of the Town's public water distribution system and related facilities, as well as responsibility for the operation of specialized heavy motor equipment used in water, sewer, highway, and other public works activities. The incumbent may also perform routine maintenance and servicing of equipment, general laboring and custodial duties as assigned. Work is performed outdoors, including during inclement weather and emergency conditions. Work is performed under general supervision with considerable leeway allowed for independent judgment within established procedures and regulatory requirements. May direct or oversee the work of Laborers and Motor Equipment Operators. Does related work as required.

TYPICAL WORK ACTIVITIES:

Water Maintenance & System Operator:

Works as a crew member in the installation, maintenance, and repair of water mains, valves, hydrants, services, meters, pumps, and related water distribution functions;
Operates, monitors, inspects, and maintains components of the Town's public water distribution system;
Makes operational decisions within the scope of the incumbent's certification concerning water distribution, system pressure, water quality, and system integrity;
Responds to, investigates, performs and/or assists with water leaks, main breaks, service interruptions, pressure complaints, and other water system problems;
Performs service taps and installs or repairs water service lines;
Operates control valves, gates, pumps, and related water system equipment;
Flushes water mains and hydrants for maintenance, water quality, and system operational purposes;
Performs water system disinfection and chlorination procedures in accordance with applicable requirements and established procedures;
Collects drinking water samples and performs or coordinates water quality monitoring and testing in accordance with applicable New York State Department of Health requirements;

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Assists in the preparation and maintenance of required reports and records;
Monitors and performs minor preventive maintenance on pumps and related water system components;
Assists with locating water mains, valves, curb boxes, services and other underground infrastructure;
Follows work-zone safety procedures and practices when operating vehicles and equipment;
Operates, Cleans, and maintains tools, vehicles, and equipment to ensure safe and proper working order;
Assists in excavation using picks, shovels, pneumatic equipment and other equipment;
Responds to water system emergencies and may be required to work evenings, weekends, holidays, or outside normal working hours;
May direct or assist in directing employees during water system maintenance, repair, and emergency operations;
May operate equipment for the removal of sewer blockages and assist with sewer system maintenance activities;
May cut grass, shovel snow and perform general custodial and other departmental duties.

Motor Equipment Operator (Heavy):

Operates a wide variety of heavy motor, automotive , and construction equipment used in water, sewer, highway, and other public works projects;
Operates heavy trucks and snow removal equipment, including plows, graders, and other specialized equipment;
Operates a variety of trucks, including vehicles requiring a Commercial Driver's License;
Performs road patching, cleaning of culverts, snow removal, painting, sweeping, tree and brush removal and other duties as assigned when not operating equipment;
Uses hand and power tools including shovels, picks, axes, rakes and related equipment;
May operate chain saws and other powered equipment used in cutting and trimming trees and brush;
Performs manual work assigned within departmental operations and when not engaged in equipment operations.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

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Water Maintenance and Systems Operator:

Good knowledge of the practices, methods, terminology, tool, and equipment used in the operation, maintenance, and repair of municipal water distribution systems;

Good knowledge of water distribution facilities including water mains, hydrants, valves, services, meters, pumps, and related equipment;

Good knowledge of applicable New York State Department of Health requirements governing public water systems and drinking water operations;

Good knowledge of water sampling, monitoring, flushing, disinfection, and chlorination procedures;

Working knowledge of the principles and methods used in pipe laying, fitting, plumbing, welding, and concrete work;

Working knowledge of preventative measures and safety procedures used to prevent work related accidents;

Ability to identify and respond to leaks, main breaks, pressure problems, service interruptions, and other water system emergencies;

Ability to collect water samples and maintain accurate operational and regulatory records;

Ability to read and understand maps, plans, operating instructions, equipment manual, and related technical information;

Ability to exercise independent judgement within established procedures and applicable regulatory requirements;

Ability to understand and carry out written and oral instructions;

Ability to establish and maintain effective working relationships with others;

Ability to plan, coordinate, and direct the work of others when assigned;

Ability to perform heavy physical labor;

Ability and willingness to work outdoors under adverse weather conditions;

Ability and willingness to respond to emergencies, work evenings, weekends, and holidays as required;

Mechanical aptitude.

Motor Equipment Operator (Heavy)

Good knowledge of the operation and maintenance of a variety of heavy or specialized automotive or construction equipment;

Good knowledge of safe operating practices related to heavy motor equipment;

Good knowledge of local geography, streets, and roads;

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Good knowledge of highway and public works construction and maintenance practices;
Ability to safely operate a variety of heavy automotive and construction equipment;
Ability to understand assigned equipment operational and servicing information;
Ability to perform routine inspections and recognize mechanical and/or safety problems;
Ability to plan, coordinate, and direct the work of others when assigned;
Physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS:

A) One year of experience in the operation, construction, maintenance or service of a public water distribution system **AND** two (2) years of experience in the operation of heavy automotive, construction, and/or highway construction maintenance equipment.

NOTE: One year of experience in the operation of heavy equipment stated above may be substituted with education and/or training at a regionally accredited or New York State registered college, university or technical school in Heavy Equipment Repair and Operation or closely related field. One year of experience in the operation of heavy automotive, construction, and/or highway construction maintenance equipment is still required.

SPECIAL REQUIREMENTS:

1) Possession and maintenance of a valid New York State Department of Health Class D and D Water System Operator certifications at time of appointment and throughout employment in this title; **AND**

2) Possession and maintenance of a valid New York State Driver's License appropriate to the vehicles operated at time of employment and throughout employment in this title.