Revised 5/3/2007

MAINTENANCE MECHANIC (HYDRO, WATER TRANSMISSION)

DISTINGUISHING FEATURES OF THE CLASS:

This position involves responsibility for performing skilled maintenance and repair activities related to a municipal water transmission and distribution system. An incumbent also collects and records operational data and monitors operating parameters at pumping stations and performs building maintenance and repair. The work is performed under the direct supervision of the Chief Water plant Operator or designate with some freedom allowed for exercising independent judgement in carrying out the work. An incumbent exercises no supervision. Does related work as required.

TYPCIAL WORK ACTIVITIES:

Performs a wide variety of maintenance and repairs to machinery and equipment related to water transmission and distribution including pumps, motors, valves, turbines, diesel generators, piping and pneumatic and hydraulic equipment;

Installs and/or replaces valves, pumps and other equipment related to water transmission;

Maintains water transmission and distribution system including cleaning debris from inlet generators at the hydroelectric plant;

Performs daily monitoring of operating parameters at both hydroelectric plant and pumping stations including monitoring pump pressures and voltage and amperage readings;

Maintains records and logs related to maintenance, repair and operating parameter readings;

Uses a variety of tools for maintenance and repair of machinery and equipment including wrenches and torches;

Meets with Chief Operator to discuss and report on maintenance and repair of the Hydro plants and or dams;

MAINTENANCE MECHANIC (HYDRO, WATER TRANSMISSION) – **contd.**

Controls reservoir water elevation by adjusting valves to control flow of water to turbines when directed;

Performs repairs to dam gates that control water flow to turbines;

Operates and maintains zebra mussel control system;

Performs building maintenance and repair including carpentry, plumbing, and electrical repairs;

May operate motor equipment on occasion;

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONNEL CHARACTERISTICS:

Good knowledge of the principles and practices of installation, maintenance and repair of machinery and equipment used in water transmission and distribution;

Good knowledge of principles and practices of building maintenance and repair;

Good knowledge of the city's water transmission system;

Good knowledge of tools used in the maintenance and repair of water transmission and systems and buildings;

Working knowledge of principles and practices of reservoir water level control;

Ability to use a variety of tools utilized in maintenance and repair of water transmission systems and buildings;

Ability to understand and follow oral and written instructions;

Ability to keep records and logs;

MAINTENANCE MECHANIC (HYDRO, WATER TRANSMISSION) – contd.

Ability to install and maintain water transmission and distribution machinery and equipment and perform building maintenance and repair;

Physical condition commensurate with the demands of the position.

Ability to oversee the installation of and to repair and maintain backup diesel generation equipment at the facilities as mentioned above Flexibility to be called in after hours and to respond to emergencies

MINIMUM QUALIFICATIONS:

Two (2) years of experience performing skilled plumbing or mechanical installation, maintenance and repair work.

SPECIAL REQUIREMENT:

Possession of a valid New York State driver's license appropriate to the vehicles or equipment operated.