

WASTEWATER TREATMENT PLANT MAINTENANCE MECHANIC

DISTINGUISHING FEATURES OF THE CLASS: This position exists in the Herkimer County Wastewater Treatment Plant and involves responsibility for independently performing a variety of skilled mechanical, hydraulic and electromechanical installation, repair and maintenance tasks on plant and substation equipment. The work is performed under general supervision of the Chief Operator with leeway allowed for the exercise of independent judgment in carrying out the technical details of the work. This class differs from that of less skilled positions in the maintenance field by virtue of the more skilled nature of the work and occasional supervisory responsibility when the need arises. Supervision may be exercised over the work of subordinate maintenance employees. The incumbent does related work as required.

TYPICAL WORK ACTIVITIES:

- Performs a wide variety of repairs to pumps, mechanical screens, valves, gritting equipment, skimming devices, conveyors, filters and piping, and other pneumatic and hydraulic equipment;
- Orders supplies and equipment needed for maintenance and repair of plant machinery and controls;
- Performs a variety of skilled and unskilled work as needed to maintain smooth operations within the plant;
- Consults with manufacturers' representatives, supervisors and subordinates relative to plant equipment functioning, repair and replacement;
- Participates in the inspection and preventive maintenance on pumping machinery, conveyors and related equipment;
- Uses electric and gas welding apparatus for cutting, welding and brazing;
- Keeps and updates maintenance manuals, equipment descriptions, lubrication charts and other data or records in relation to maintenance activities;
- Maintains and repairs equipment and pneumatic control panels and recording instruments;
- Works with plant operations personnel to coordinate maintenance schedules and equipment repair activities;
- Supervises and performs machinery lubrication tasks and preventive maintenance activities;
- Installs and replaces a variety of plans and substation equipment and machinery;
- Maintains and repairs various wastewater plant equipment such as clarifiers, bar screens, sweep arms, grit chambers, chlorine contact tank, filters, gear drives, etc.;
- Maintains and performs building maintenance involving carpentry, plumbing and voltage electrical repairs up to and including 480 volts.

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS: Thorough knowledge of the installation, operation, maintenance and repair of pumps, valves, hydraulic regulators, control gates and equipment related to wastewater treatment; thorough knowledge of the common practices, tools, terminology and safety precautions of one or more mechanical trades; working knowledge of pneumatic controls and vacuum and pressure release valves; ability to work from plans, specifications and rough sketches; ability to make a variety of mechanical and electrical repairs; ability to use gas and electric welding equipment; ability to understand and follow oral and written instructions; initiative and resourcefulness in solving mechanical problems; manual dexterity; mechanical aptitude; physical condition commensurate with the demands of the position.

Wastewater Treatment Plant Maintenance Mechanic – Cont'd.

MINIMUM QUALIFICATIONS:

Either (A) Two years of experience in the installation, repair and maintenance of mechanical, electrical and hydraulic equipment;

Or (B) An equivalent combination of training and experience as outlined in (a) above.

SPECIAL REQUIREMENT: Possession of a valid New York State CDL-B within 1 year of permanent appointment.

Competitive Class

Adopted 09/27/1983

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