

Jurisdictional Class: Non-Competitive for Oneida County Government Only
EEO Category: Skilled Craft
Revised: 01/15/2020

MAINTENANCE MECHANIC-MACHINIST

DISTINGUISHING FEATURES OF THE CLASS: This is skilled mechanical work involving responsibility for independently performing a variety of mechanical and hydraulic installation, repair and maintenance tasks on a wastewater treatment plant and related equipment. The work also involves the responsibility to perform assignments in the construction, assembly maintenance and repair of a variety of metal parts and tools using precision power tools. An employee in this class is required to employ a high degree of accuracy and precision in performing work according to instructions, penciled layouts, blueprints, sketches and by reference to worn parts. The employee determines work methods and procedures but the work is subject to inspection during the process and upon completion for quality and conformity with requirements. The work is performed under general supervision of the Wastewater Treatment Plant Maintenance Superintendent, with leeway allowed for the exercise of independent judgment in carrying out the technical details of the work. This class differs from that of lower level positions in the maintenance field, by virtue of the more skilled nature of the work. Supervision may be exercised over the work of subordinate maintenance employees who assist them with assigned tasks. The incumbent performs related work as required.

TYPICAL WORK ACTIVITIES: (Illustrative Only)

Fabricates, maintains and repairs metal objects through the operations of lathes, milling machines, drill presses and similar equipment, gauging work carefully by using precision measuring instruments;

Performs machine work on broken and worn parts of maintenance equipment;

Performs milling and lathe work on disposal plant equipment including hydraulic pumps, pistons and valves and does machine work on other equipment;

Performs a wide variety of repairs to pumps, mechanical screens and associated equipment, de-gritting equipment, skimming devices, conveyors, filters and piping and other pneumatic hydraulic equipment,

May determine supplies and equipment needed for maintenance and repair plant machinery and control;

Consults with manufacturer's representatives, supervisors and subordinates relative to plant equipment functioning, repairs and replacement;

Participates in the inspection and preventative maintenance on pumping machinery, conveyors and related plant equipment;

Works with plant operations personnel to coordinate maintenance schedules and equipment repair activities;

Supervises and performs machinery lubrication tasks and preventative maintenance activities;

Installs and replaces a variety of plant equipment and machinery;

Maintains and repairs various wastewater treatment tankage and equipment such as clarifiers, mechanical screens, grit chambers, chlorine contact tank, aeration system filter press and emergency electrical stand-by generator;

Maintains and performs building maintenance involving carpentry, plumbing and low voltage electrical repairs.

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FULL PERFORMANCE KNOWLEDGE, 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 tools, materials, methods, standard practices, hazards and safety precautions of the machinist trade; ability to work from plans, specifications and rough sketches; ability to use using precision power tools such as lathes, milling machines, drill presses and similar equipment; ability to understand and follow oral and written instructions; ability to work from plans and specifications; ability to plan lay out machinist work, ability to lift heavy weights; initiative and resourcefulness in solving mechanical problems; manual dexterity; mechanical aptitude.

MINIMUM QUALIFICATIONS: Either:

- (A) Graduation from regionally accredited or New York State registered college or University with an Associate's Degree in mechanical technology or a closely related field **AND** one (1) year of experience in the installation repair and maintenance of mechanical, electrical, hydraulic and high pressure equipment, which shall have involved the fabrication of metal parts using milling machine and lathe; **OR**
- (B) Graduation from high school or possession of high school equivalency diploma and three (3) years of experience in the installation repair and maintenance of mechanical, electrical, hydraulic and high pressure equipment, which shall have involved the fabrication of metal parts using milling machine and lathe; **OR**
- (C) Five (5) years of experience in the installation repair and maintenance of mechanical, electrical, hydraulic and high pressure equipment, which shall have involved the fabrication of metal parts using milling machine and lathe.

SPECIAL REQUIREMENT: Possession of a valid New York State driver's license at time of appointment. License must remain valid throughout appointment.

Adopted: 11/13/2002

Revised: 11/07/2007; 04/26/2011; 05/11/2017; 01/15/2020