

Civil Division: Oneida County Government  
Jurisdictional Class: Non-Competitive  
EEO Category: Skilled Craft  
Revised: 04/26/11

**MAINTENANCE MECHANIC-MACHINIST**  
**(WASTEWATER TREATMENT)**

**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. May oversee 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, 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 equipment such as clarifiers, bar screens, grit chambers, chlorine contact tank, 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 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 steam 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 as listed in (A) above; **OR**
- (C) Five (5) years of experience as listed in (A) above.

**SPECIAL REQUIREMENT:** Eligibility for an appropriate level New York State Driver's License at the time application for appointment. Possession of a valid license at the time of appointment. This license must be maintained throughout appointment.