

**DEPARTMENT:** WASTEWATER TREATMENT PLANT  
**CLASSIFICATION:** COMPETITIVE  
**APPROVED:** 02/21/96

**SENIOR WASTEWATER TREATMENT PLANT MECHANIC**  
**(North Tonawanda)**

**DISTINGUISHING FEATURES OF THE CLASS:** The work involves responsibility for advanced preventive and corrective maintenance on machinery and equipment and the upkeep of buildings and grounds at the wastewater treatment plant. This work is performed under the general supervision of the Wastewater Treatment Plant Maintenance Supervisor. Supervision is exercised over the work of subordinate personnel engaged in maintenance and repair activities. Does related work as required.

**TYPICAL WORK ACTIVITIES:**

1. Leads in the performance of a wide variety of preventive and corrective maintenance to pumps, valves, filters and piping, conveyors, compressors, incinerators, heating and ventilation equipment, and other pneumatic, hydraulic and electrical equipment and controls;
2. Conducts inspections, lubricates and performs preventive maintenance on plant equipment and controls;
3. Leads in the installation of new equipment and replacement equipment;
4. Cuts, threads and installs pipe of various sizes;
5. Performs a variety of painting, carpentry and plumbing tasks;
6. Welds, cuts, brazes, and fabricates pipe supports, bridge work and other types of structures and equipment;
7. Instructs and trains subordinate employees in maintenance and repair methods;
8. Requisitions parts and maintenance supplies when needed;
9. Recommends improvements to plant equipment and maintenance procedures;
10. Prepares preventive maintenance and repair reports and schedules.

**FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:**

Good knowledge of the operation, maintenance and repair of pumps, valves, piping, compressors and other pneumatic, hydraulic and electrical equipment and controls; good knowledge of the common practices, tools, terminology and safety precautions of one or more of the mechanical trades; skill in the performance of repair and maintenance activities; ability to work from plans, specifications and rough sketches; ability to lead and supervise the work of subordinate maintenance personnel; ability to understand and follow oral and written instructions; initiative and resourcefulness in solving mechanical problems; physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:**

1. Two (2) years of journey level experience in the maintenance and repair of wastewater treatment plant equipment or similar pneumatic, hydraulic or mechanical equipment and controls;
- OR:**
2. Three years of experience as a helper to a journey lead person in the maintenance and repair of pneumatic, hydraulic or mechanical equipment and controls;
- OR:**
3. An equivalent combination of training and experience as defined by the limits of (1) and (2).