

## WASTEWATER TREATMENT PLANT OPERATOR-MAINTENANCE MECHANIC I

DISTINGUISHING FEATURES OF THE CLASS: The work involves responsibility for assisting in the installation, maintenance, repair and preventive maintenance on all machinery and equipment in a Wastewater Treatment Plant. An employee in this class may also work as a Wastewater Treatment Plant Operator when assigned by the supervisor. An individual working in this class may supervise Wastewater Treatment Plant Operators, Wastewater Treatment Plant Operator Trainees and Laborers as assigned to assist. A Wastewater Treatment Plant Operator – Maintenance Mechanic I does related work as required.

### TYPICAL WORK ACTIVITIES:

- Assists in installing, maintaining and repairing pumps, air compressors, mechanical bar screens, grit elevators and conveyors, ventilating equipment, aerators, clarifier equipment, chlorination equipment, boilers, heat exchangers, gas compressors, diesel generators, valves, regulators, D/P cells, mechanical sluice gates and other machinery and equipment at Wastewater Treatment Plant or pumping stations;
- Maintains lifting station equipment by performing maintenance on pumps, floats and tubes;
- Maintains lifting station, grounds and buildings;
- Records timer readings and pump data records and other related records;
- Assists in supervising the City's pretreatment program;
- Assists in maintaining plumbing and heating facilities;
- Does major and minor piping repairs to all machinery and related equipment;
- Performs minor electrical repairs to all machinery and related equipment;
- Fabricates shipping crates and boxes, scaffolding and repairs wooden buildings;
- Keeps records of maintenance and repair work;
- Assists in maintaining an inventory of spare parts;
- Requisitions needed equipment;
- May answer emergency calls for repairing plant equipment and facilities;
- Records readings from meters and gauges;
- Assists in training subordinates on minor maintenance of machinery, pumps, sampling equipment, etc;
- Treats and disposes of sludge;
- Adds chlorine to sewage;
- Takes samples of sewage for testing;
- Keeps a log of plant and pump station operations and related records;
- Performs custodial duties in connection with maintenance of buildings and grounds;
- Operates wastewater treatment plant equipment and machinery;
- Performs permit sampling on influent and effluent, records results and reports adverse results to higher level authority.

FULL PERFORMANCE KNOWLEDGE, SKILLS, AND ABILITIES: Good knowledge of the installation, operation and maintenance of mechanical systems and equipment of the facility such as pumps, elevators and conveyors, ventilating equipment, aerators, clarifier equipment, chlorination equipment, heat exchangers, gas compressors, diesel generators, centrifuge, valves, regulators, D/P cells, mechanized sluice gates, working knowledge of the principles and application of physics, chemistry and bacteriology as applied to wastewater treatment and disposal; ability to read blueprints; ability to keep accurate records; skills and aptitude as a general mechanic; good judgment; a thorough knowledge of treatment processes and flow patterns for a Type 4A activated sludge wastewater treatment plant; ability to understand and carry out oral and written instructions; alertness and dependability.

MINIMUM QUALIFICATIONS: Both:

- a) At the time of appointment, applicants must be currently certified as wastewater treatment plant operators by the NYS Department of Environmental Conservation. This certification must be at or above the minimum level necessary as prescribed by law (as described in 6NYCRR Part 650 – *Qualifications of Operators of Wastewater Treatment Plants*). At grade 1, 2, 3, and 4 plants, operators must be minimally certified at the 1/1A, 1/1A, 2/2A, and 3/3A levels respectively. At grade 1A, 2A, 3A, and 4A plants, operators must be minimally certified at the 1A, 1A, 2A, and 3A levels respectively. Appropriate certification must be maintained throughout employment; and
- b) One year of experience at a wastewater treatment plant.

SPECIAL REQUIREMENTS: Possess at time of appointment and maintain a valid New York State driver's license.

CATTARAUGUS COUNTY CIVIL SERVICE

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