

MUNICIPAL CIVIL SERVICE COMMISSION
MUNICIPAL BUILDING ONE LOCKS PLAZA LOCKPORT, NEW YORK

OPEN COMPETITIVE EXAMINATION
FOR:
SENIOR WATER TREATMENT PLANT OPERATOR-TYPE A PLANT

LAST DAY FOR FILING:

July 7, 2021

Exam No. 61-170

DATE OF EXAMINATION:

August 7, 2021

FILING FEE:

A \$15 filing fee must accompany your application. If paying by check or money order, please make checks out to the City of Lockport.

VACANCIES:

The eligible list established as a result of this examination will be used to fill vacancies as they occur in the City of Lockport Water Filtration Plant.

SALARY:

\$19.23/hr-\$23.80/hr

RESIDENCY:

Candidates, if not already residents of the City of Lockport, must become a resident of the City of Lockport within six (6) months of the date of initial service and remain a City resident during the entire time of their employment.

DUTIES:

The work involves responsibility for assisting in the supervision of the overall operation and maintenance of a Type A Water Treatment Plant with facilities for filtration with pre-treatment or a chemical softening process. The work is performed under general direction of a Chief Water Plant Operator with wide latitude permitted for independently carrying out details of the work. Supervision is exercised over subordinate employees. Does related work as required.

MINIMUM QUALIFICATIONS: Candidates must meet the following either on or before the date of the written examination:

- (a) Graduation from a duly accredited university or school with an Associate's Degree in Applied Science in a NYSDEC approved curriculum, completion of an appropriate course of instruction approved by NYSDEC and eighteen (18) months of experience in the operation and maintenance of a Type A Wastewater Treatment Plant providing secondary treatment; **OR**
- (b) Graduation from a duly accredited university or school with an Associate's Degree in Applied Science, completion of an appropriate course of instruction approved by NYSDEC and three (3) years of experience in the operation and maintenance of a Type A Wastewater Treatment Plant providing secondary treatment; **OR**
- (c) Graduation from a duly accredited university or school with an Associate's Degree with thirty (30) credit hours of math and/or science, completion of an appropriate course of instruction approved by NYSDEC and three (3) years of experience in the operation and maintenance of a Type A Wastewater Treatment Plant providing secondary treatment; **OR**
- (d) Graduation from high school or possession of an equivalency diploma, completion of an appropriate course of instruction approved by NYSDEC and four and half (4.5) years of experience in the operation and maintenance of a Type A Wastewater Treatment Plant providing secondary treatment.

SPECIAL REQUIREMENT:

Type A Plant whose designated capacity exceeds 1.5 million gallons per day:
Possession of a Grade 3A Certificate issued under the provisions of the New York State Sanitary Code at the time of appointment.

SUBJECT OF EXAM:

Written examination will cover knowledge, skills and abilities in such areas as:

Operation and maintenance of pumps, valves, and related mechanical and electrical equipment

These questions test for knowledge of the principles and procedures involved in the operation, maintenance, and repair of pumps, valves, and related mechanical and electrical equipment, including motors and electric circuitry; and for the ability to identify various types of pumps, valves, and related equipment and understand their functions.

Physics, chemistry, and bacteriology as related to water treatment and purification, including laboratory and field tests

These questions test for knowledge of the principles and practices of water treatment, purification, sampling, and testing, including such areas as the principles of physics, chemistry, and bacteriology involved; terminology associated with water treatment and testing; objectives and principles of various water treatment and testing procedures; measurement, sampling, and preservation of water samples; interpreting test results; and the effects of variables on water treatment processes.

Practices and equipment used in the operation and maintenance of a Type A water treatment plant

These questions test for knowledge of the principles and practices associated with the operation and maintenance of Type A water treatment plants, including such areas as objectives and purposes of plant processes and equipment; terminology associated with Type A water treatment plants; conditions and situations encountered in Type A water treatment plants, including safety concerns; water disinfection and dosing; and equipment and materials used in Type A water treatment plants. Some questions may involve basic arithmetic calculations.

Tools, mechanical aptitude, and reading of scales, meters, and gauges

These questions test for knowledge of the tools used in water and wastewater treatment plants; the ability to identify various types of tools and their uses; knowledge of general mechanical principles and the operation of various types of mechanical devices such as gears, pulleys, levers, valves, and similar types of mechanical equipment; and the ability to read and interpret information displayed on various types of scales, meters, and gauges.

Supervision

These questions test for knowledge of the principles and practices employed in planning, organizing, and controlling the activities of a work unit toward predetermined objectives. The concepts covered, usually in a situational question format, include such topics as assigning and reviewing work; evaluating performance; maintaining work standards; motivating and developing subordinates; implementing procedural change; increasing efficiency; and dealing with problems of absenteeism, morale, and discipline.

Test guide:

The New York State Department of Civil Service has not prepared a test guide for this examination. However, candidates may find information in the publication 'General Guide to Written Tests' helpful in preparing for this test. This publication is available on line at: <https://www.cs.ny.gov/testing/testguides.cfm>.

CALCULATORS ARE ALLOWED FOR THIS EXAMINATION

Unless otherwise notified candidates are permitted to use quiet, hand-held solar or battery powered calculators. Devices with typewriter keyboards, spell checkers, personal digital assistants, address books, language translators, dictionaries, or other similar devices are prohibited. Use of books, cell phones and other reference materials are prohibited.

This written exam is being prepared and rated by the NYS Department of Civil Service in accordance with §23.2 of the Civil Service Law. The provisions of the NYS Civil Service Rules and Regulations dealing with rating of exams will apply to this test.