

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

OPEN COMPETITIVE EXAMINATION
FOR
WASTEWATER LABORATORY TECHNICIAN

LAST DAY FOR FILING:
SEPTEMBER 12, 2017

DATE OF EXAMINATION:
OCTOBER 14, 2017

Exam No. 67-042

FILING FEE: A \$15.00 filing fee must accompany your application.

VACANCIES: The eligible list established as a result of this examination will be used to fill vacancies as they occur within the City of Lockport Wastewater Treatment Plant.

SALARY: Appointment expected at \$37,348-\$46,991/Year

DUTIES: The work involves responsibility for performing chemical, biological, microbiological and bacteriological testing and physical analysis of raw and treated wastewater. Although the work consists mainly of routine and repetitive tests, it must be performed with a high degree of accuracy. The work is performed under the general supervision of the Industrial Pre-Treatment Coordinator and Senior Wastewater Laboratory Technician with some leeway provided for the use of independent technical judgment. Supervision of others is not a responsibility of the position. Does related work as required

SCOPE OF EXAM: **1. Wastewater sampling and measurement techniques and devices**

These questions test for knowledge of the principles, practices, techniques and equipment involved in collecting wastewater samples from various sources; properly handling these samples; and testing and analyzing these samples for their physical and chemical components and properties.

2. Principles and applications of physics, chemistry, and microbiology related to the testing of both treated and untreated water

These questions test for knowledge of the principles and practices of physics, chemistry, and microbiology as they relate to water testing, and may include such areas as sample preparation and preservation for analysis; methods, materials, and equipment used for measuring a variety of physical, chemical, and microbiological parameters in water samples; and general principles of physics, chemistry, and microbiology involved in water testing and analysis.

3. Laboratory practices, techniques, and equipment

These questions test for knowledge of basic laboratory practices, techniques, and equipment, and may include such areas as proper and safe techniques to use in sample preparation and analysis; uses and characteristics of laboratory supplies, equipment, and instrumentation; principles and practices of laboratory safety; preparation of solutions of various concentrations; and terminology and underlying scientific principles associated with laboratory work.

4. Understanding and interpreting tabular material

These questions test your ability to understand, analyze, and use the internal logic of data presented in tabular form. You may be asked to perform tasks such as completing tables, drawing conclusions from them, analyzing data trends or interrelationships, and revising or combining data sets. The concepts of rate, ratio, and proportion are tested. Mathematical operations are simple, and computational speed is not a major factor in the test. **You should bring with you a hand-held battery- or solar-powered calculator for use on this test. You will not be permitted to use the calculator function of your cell phone.**

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 "How to take a written test" helpful in preparing for this test. This publication is available on line at: www.cs.ny.gov/testing/localtestguides.cfm

MINIMUM QUALIFICATIONS:

- (a) Graduation from a regionally accredited or New York State registered college or university with an Associate's Degree in Chemistry, Biology, Bacteriology or Laboratory Technology; OR
- (b) Graduation from High School or possession of a high school equivalency diploma and two (2) years of experience in a public health or private laboratory performing technical laboratory duties; OR
- (c) An equivalent combination of training and experience as defined by the limits of (a) or (b).

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