

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

OPEN COMPETITIVE EXAMINATION
FOR
SENIOR WASTEWATER LABORATORY TECHNICIAN

LAST DAY FOR FILING:
SEPTEMBER 12, 2017

DATE OF EXAMINATION:
OCTOBER 14, 2017

Exam No. 67-470

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 \$40,002-\$49,504/Year

DUTIES: The work involves responsibility for performing chemical, biological, microbiological and bacteriological testing and physical analysis of raw and treated wastewater. This is technical laboratory work involving routine testing for the sanitary chemical and physical analysis of wastewater. The work is performed in accordance with prescribed procedures requiring a high degree of accuracy. The work is performed under the general supervision of the Industrial Pre-Treatment Coordinator. Direct supervision is exercised over Wastewater Laboratory Technicians. Does related work as required

SCOPE OF EXAM: **1. Analytical chemistry, including techniques, equipment, and procedures for inorganic and organic analyses**

These questions test for knowledge of general principles of chemical analysis, including the various techniques used in the chemical analysis of both organic and inorganic materials, the operating principles and characteristics of the analytical equipment used, and laboratory safety.

2. Collection, analysis and presentation of data, including basic statistical concepts

These questions test for knowledge of the principles and practices involved in data gathering, organization, interpretation and presentation, including producing accurate records, writing effective technical reports, and computing basic statistics.

3. 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.

4. 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.

5. 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.

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 QUALS:

- (a) Graduation from a regionally accredited or New York State registered college or university with an Associate's Degree in Chemistry, Biology, Bacteriology, Microbiology or Laboratory Technology and one (1) year experience in a public or private laboratory; OR
- (b) Graduation from High School or possession of a high school equivalency diploma and three (3) years of experience in a public 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).

CALCULATORS ARE ALLOWED FOR THIS EXAMINATION

Candidates are allowed 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 any similar devices are prohibited. Use of books and other reference material is prohibited.

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.