LABORATORY TECHNICIAN

No 68-546 Examination Open to the Public

Salary $43,702 - $53,792/year

The examination will be held to establish an eligible list to fill one (1) current vacancy in the North Tonawanda Water and Wastewater and any other appropriate vacancy that may occur in the municipalities under the jurisdiction of the Niagara County Civil Service. The list established from this exam will supersede any existing list for this title.

RESIDENCE REQUIREMENTS: Candidates must have been legal residents of Niagara County for at least one (1) month immediately preceding the date of the written examination and such residency must continue until the time of appointment. Preference in appointment may be given to successful candidates who have been residents of the municipality in which the appointment is made. Non-residents may be required to become a resident of the appointing municipality if local law so states.

MINIMUM QUALIFICATIONS: Candidates must meet the following on or before the date of the written exam. If you do not meet these qualifications, your application will be disapproved and your filing fee will not be refunded.

Graduation from a regionally accredited college or university or one accredited by the New York State Board of Regents to grant degrees with an Associate's degree in laboratory technology, environmental science, chemistry, physics, or biology; OR

Graduation from high school or possession an equivalency diploma and four (4) years of paid experience in sanitary chemistry or in performing technical analysis in an environmental laboratory including tests involving wastewater and/or drinking water analysis.

DUTIES: The work involves responsibility for the physical, chemical and bacteriological examination of raw and treated wastewater and sludge. The work is performed in accordance with prescribed procedures requiring a high degree of accuracy. The work is performed under the direct supervision of the sanitary chemist. Does related work as required.

DRUG SCREENING: Applicants may be required to undergo a drug-screening test to determine suitability for appointment in accordance with local policies. Applicants who test positive may be restricted from future certification.

FEE WAIVERS: Waivers for the filing fee must be completed in full and submitted with required documentation or your application will be disapproved.

BACKGROUND INVESTIGATION: Applicants may be required to undergo a State and national criminal history background investigation, which will include a fingerprint check to determine suitability for appointment. Failure to meet the standards for the background investigation may result in disqualification.

A non-refundable $15.00 application fee must accompany each application. Please submit a copy of your online payment receipt OR a check or money order payable to:
Niagara County Civil Service

EXAMINATION DATE
OCTOBER 14, 2017

ORIGINAL APPLICATIONS MUST BE RECEIVED BY 4PM OR BE POSTMARKED BY AUGUST 11, 2017

ANNOUNCEMENT ISSUED: JULY 12, 2017
SCOPE OF EXAMINATION: There will be a written test which you must pass in order to be considered for appointment. The written test is designed to evaluate knowledge, skills and/or abilities in the following areas:

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.

Candidates may find information in the publication "How to take a written test" helpful in preparing for this test. This publication is available online at: [www.cs.state.ny.us/testing/localtestguides.cfm](http://www.cs.state.ny.us/testing/localtestguides.cfm)

**NOTICE TO CANDIDATES:** The use of calculators is ALLOWED. Unless otherwise notified, candidates are permitted to use quiet, hand-held, solar or battery powered calculators. Devices with typewriter keyboard such as computers, spell checkers, personal digital assistants, address books, language translators, dictionaries or any similar devices are prohibited. **Cell phones are prohibited.**

**CANDIDATES NOTE:** You are responsible for completing all sections of the official application. To receive credit for experience on a job, basic information such as address, name and title of supervisor, hours in the work week, final salary, and duties performed by you, must be shown. Be very specific in explaining experience that will qualify you for the position sought. Ambiguity and vagueness will not be resolved in your favor. **EACH SEPARATE SHEET ATTACHED TO THE APPLICATION MUST BE SIGNED.**

**MULTIPLE EXAMINATIONS SCHEDULED FOR THE SAME DAY:** If you have applied to take a written test announced by either one or several local jurisdictions (county, town, city) scheduled to be held on the same test date as this written test, you must notify each of the local jurisdictions no later than two weeks before the test date, so they can make arrangement for taking all tests at one test site. All examination for positions in State government will be held at a State Examination Center.

This examination will be prepared and rated in accordance with Section 23(2) of the Civil Service Law. The provisions of the New York State Civil Service Law, Rules and Regulations dealing with preparation and rating of examinations, as well as establishment and certification of eligible lists for positions in the classified service will apply to this examination.

Please review **IMPORTANT EXAMINATION INFORMATION FOR CANDIDATES**

Niagara County Civil Service #2017-56