



**NIAGARA COUNTY  
CIVIL SERVICE  
111 Main Street – G2  
Lockport, New York 14094**

*Malcolm A Needler  
Personnel Officer  
(716) 438-4071*

## **ELECTRONICS TECHNICIAN - WATER**

**No 67-494 Examination Open to the Public**

**Salary Range: \$27.95 - \$34.15**

The examination will be held to establish an eligible list used to fill one (1) current vacancy and any other appropriate vacancies in the Niagara County Water District that may occur during the life of the list.

**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 high school or possession of an equivalency diploma and one of the following:

1. Graduation with an Associate's Degree in electronics and two (2) years of satisfactory experience in the maintenance and repair of Supervisory Control and Data Acquisition (SCADA)\* equipment; **OR**
2. Four (4) years of satisfactory experience in the maintenance, repair and fabrication of electronic equipment, two (2) years of which must have been in the maintenance and repair of Supervisory Control and Data Acquisition (SCADA)\* equipment.

**NOTE:**

1. Degrees must have been awarded by a college or university accredited by a regional, national, or specialized agency recognized as an accrediting agency by the U.S. Department of Education/U.S. Secretary of Education;
2. Examples of SCADA equipment include but are not limited to remote readings of temperature, pressure, flow data, elevations of process material, the control of pumps, chemical injections, etc.

**SPECIAL REQUIREMENTS:**

1. In order to receive a temporary, provisional, or permanent appointment, candidates must undergo and pass a physical/fit test required under 29 CFR 1910 of the Occupational Safety & Health Administration Labor Code of Federal Regulations;
2. Candidates must live within the territorial boundaries of the Niagara County Water District at time of appointment and for the duration of employment;
3. Candidates must possess a valid New York State Driver's license to operate required vehicles at time of appointment and for the duration of employment.

**DUTIES:** This is a responsible position that maintains and repairs electrical/electronic equipment, devices, and apparatus that are located in a water treatment facility and transmission system. Work is performed on a wide variety of electrical/electronic equipment which requires an in-depth knowledge of modern repair and maintenance procedures. The incumbent assembles and installs electrical/electronic equipment and maintains its proper operating condition. The incumbent is also responsible for the maintenance and repair of electric/electronic equipment including supervisory control and data acquisition equipment used in a water treatment facility and transmission system. The incumbent may be assigned responsibility for maintaining critical equipment during emergencies. General supervision is received from the Chief Water Treatment Plant Operator, Superintendent of Water Transmission and the Supervisor of Water Maintenance. Considerable leeway is allowed for the exercise of independent judgment in accordance with applicable laws and district policy. Employees in this class are required to travel between facilities. Does related work as required.

**NOTICE TO CANDIDATES:** The use of calculators is **RECOMMENDED**. 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 and smart watches are prohibited.**

**APPLICATIONS MUST BE SUBMITTED ELECTRONICALLY OR POSTMARKED BY THE FILING DEADLINE. YOUR APPLICATION WILL BE DISAPPROVED IF PAYMENT IS NOT RECEIVED BY THE FILING DEADLINE.**

FILING DEADLINE

**APRIL 27, 2023**

A non-refundable \$15.00 application fee is required.  
Apply and pay online or submit a check or money order  
payable to: **Niagara County Civil Service**

ANNOUNCEMENT ISSUED: March 30, 2023

EXAMINATION DATE

**JUNE 10, 2023**

**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.

**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.

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

**SUBJECT OF EXAMINATION:** There will be a written test which you must pass in order to be considered for appointment. The written test will be designed to test for knowledge, skills, and/or abilities in such areas as:

1. **Use of electronic test equipment:** These questions test for knowledge of the principles and practices involved in the use of electronic test equipment, including identification and proper selection of electronic test equipment.
2. **Repair, maintenance, and operating characteristics of electronic equipment:** These questions test for knowledge of the operating characteristics, proper maintenance, troubleshooting, and repair of electronic equipment.
3. **Operation, maintenance & repair of equipment used in instrumentation, including meters, sensors, indicators, recorders and data acquisition equipment:** These questions test for knowledge of the principles and practices involved in the operation, maintenance, and repair of equipment used in electronic instrumentation, including meters, sensors, indicators, recorders, and data acquisition equipment. Topics covered will include equipment identification, selection, measurement, maintenance, and data interpretation.
4. **Mechanical, electrical and pneumatic principles:** These questions test for knowledge of the basic mechanical, electrical, and pneumatic principles involved in the operation of electro-mechanical instrumentation and control systems.
5. **Operation, maintenance, and repair of personal computers and related equipment:** These questions test for knowledge of the operating principles of personal computer systems and related peripheral equipment, including appropriate troubleshooting, maintenance, and repair procedures for these systems and this equipment.
6. **Basic principles and computations of electrical and electronic circuits:** These questions test for knowledge of the principles of basic electrical and electronic devices and circuits, including the concepts and calculations of voltage, current, capacitance, and resistance; the identification and function of circuit and solid state components; practices of electrical circuit wiring, grounding, and insulation; and characteristics of direct current, alternating current, series, and parallel electrical circuits.

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>.

**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.

**COLLEGE ACCREDITATION:** Your degree must have been awarded by a college or university accredited by a regional, national, or specialized agency recognized as an accrediting agency by the U.S. Department of Education/U.S. Secretary of Education. If your degree was awarded by an educational institution outside the United States and its territories, you must provide independent verification of equivalency. A list of acceptable companies that provide this service can be found on the Internet at <http://www.cs.ny.gov/jobseeker/degrees.cfm>. You must pay the required evaluation fee.

**COLLEGE CREDITS MUST BE VERIFIED WITH AN OFFICIAL TRANSCRIPT.** If you have listed college or special courses on your application it will be necessary for you to submit an official transcript or special course certificate. **Documents can be submitted electronically or in hardcopy format but must be on official letterhead or stationary. If these documents are not on file prior to canvassing/certification for vacant positions, your name will not be canvassed/certified and your name will be removed from consideration for all appointments.**

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\*\*](#)