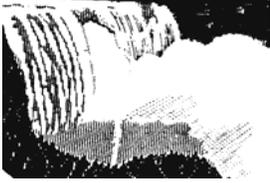


THE MUNICIPAL CIVIL SERVICE COMMISSION



OF NIAGARA FALLS, NEW YORK

ANNOUNCES EXAMINATION FOR....

Room 14 -Ground Floor – City Hall

Phone 286-4432 / 286-4430

<http://www.niagarafallsusa.org>

ENGINEERING SYSTEMS TECHNICIAN

NIAGARA FALLS WATER BOARD

(ANTICIPATED VACANCY)

SALARY RANGE: \$30,797 – 38,647 PER YEAR

EXAM: #68-388 O.C.

FILING FOR THE EXAM: Applications can be filed in person at Niagara Falls City Hall, 745 Main St., Room 14 or by mail. **Tie scores are broken and ranked on the eligible list by a totally random method as recommended by the NYS Department of Civil Service. The method that will be used is the last four digits of social security number.**

APPLICATION FEE: \$30.00 A **Non-Refundable** application fee must accompany your application and is required for each exam for which you apply. **DO NOT USE CASH.** Make check or money order payable to the City Controller and write the examination number on your check or money order. **AS NO REFUND WILL BE MADE,** you are urged to compare your qualifications carefully with the requirements for admission and file only for those examinations for which you are clearly qualified.

FEE WAIVER A waiver of the application fee will be allowed if you are unemployed and primarily responsible for the support of a household. In addition, a waiver of the application fee will be allowed if you are determined eligible for Medicaid, or receiving Supplemental Security Income payments, or Public Assistance (Temporary Assistance for Needy Families/Family Assistance or Safety Net Assistance) or are certified Job Training Partnership Act/Workforce Investment Act eligible through a State or local social service agency. **All claims for application fee waiver are subject to verification.** If you can verify eligibility for an application fee waiver, complete a “Request for Application Fee Waiver and Certification” form and submit it with your application by the close of business on the Application Deadline as listed on the Exam Announcement. An application fee waiver that is not supported by the appropriate documentation is grounds for barring admittance to exam or appointment. The “Request for Application Fee Waiver and Certification Form” is available in the Human Resource Department at City Hall.

EXAMINATION DATE

Sept. 10, 2011

FIRST DAY FOR FILING

Mon., July 11, 2011 – 8:00 AM

LAST DAY FOR FILING

Wed., July 27, 2011 – 3:30 PM

MINIMUM QUALIFICATIONS:

- 1) **AN INCOMPLETE APPLICATION WILL BE DISAPPROVED.** List your current or most recent position first and then any experience that qualifies you for the minimum qualifications of the position sought. To receive credit for experience on a job, all information requested on the application including title, number of hours in the work week, final salary, duties performed by you in each position and percentage of time spent on each task, length of employment, etc., must be shown. Be very specific in explaining experience that qualifies you for the position sought. Ambiguity and vagueness will not be resolved in your favor.
- 2) **A RESUME DOES NOT SUBSTITUTE FOR THE APPLICATION AND WILL NOT BE CONSIDERED.**
- 3) Unless otherwise specified, experience will be interpreted to mean **"PAID EXPERIENCE"** only. Part-time paid work experience will be accepted based on its full-time equivalent.
- 4) **If a degree or special license is required, a copy must be submitted with application.**

CANDIDATES MUST MEET THE FOLLOWING REQUIREMENT ON OR BEFORE THE DATE OF THE WRITTEN EXAM:

Graduation from a regionally accredited or New York State registered college or university with an Associate's degree in Engineering Technology, Industrial Design/Drafting, or related programs and two (2) years experience as an Engineering Technician or equivalent.

GENERAL INSTRUCTIONS TO CANDIDATES

(Please read carefully)

1. **RESIDENCY FOR EXAM** - Unless otherwise specified in the exam announcement, candidates must have been legal residents of the City of Niagara Falls for one year immediately preceding date of written exam.
 2. **RESIDENCY FOR APPOINTMENT:** Local Law #7 of the City of Niagara Falls requires that persons commencing employment with the City of Niagara Falls after December 17, 1984, must continue to reside in the City for the duration of employment.
 3. **COMPLETION OF APPLICATIONS** - A regular application must be filed for each exam. The applicant should make sure that every question is answered and that the application is complete in all respects. An incomplete application may be disapproved.
 4. **VETERAN AND DISABLED VETERAN CREDITS** - Candidates must meet the requirements for Veterans Credits at the time of appointment or promotion. A candidate who is currently in active duty in the military may file for "conditional" credits but will be restricted from certification using the credits until appropriate documentary proof of honorable discharge and dates of service is provided to the Commission. The form necessary for filing for Veterans Credits, however, must be filed with the application. Evidence of military discharge (form DD-214) or proof of military status if claiming "conditional credits" must be presented with this form. You will be allowed the option of waiving these credits after the completion of the exam. For the purpose of claiming veterans credits on a Civil Service exam, an applicant must have served in the armed forces of the United States at any time during the following periods:
 - World War II - December 7, 1941 to and including December 31, 1946**
 - Korean War - June 27, 1950 to and including January 31, 1955**
 - Southeast Asia Hostilities - February 28, 1961 to May 7, 1975 (Starting date changed per Chapter 179 of Laws of 2006)
 - Lebanon* - June 1, 1983 - December 1, 1987**
 - Grenada* - October 23, 1983 - November 21, 1983**
 - Panama* - December 20, 1989 - January 31, 1990**
 - Persian Gulf - August 2, 1990 to the end of such hostilities (not yet determined)**
 - U. S. Public Health Service - July 29, 1945 to September 2, 1945 or June 26, 1950 to July 3, 1952
- *Credit for Lebanon, Grenada, and Panama will be limited to those who received the armed forces expeditionary medal, the navy expeditionary medal, or the marine corps expeditionary medal.
- Disabled Veterans must have been disabled in the actual performance of duty in any war and have a disability rated at 10% or more that exists at the time of application or promotion. (See Veterans Form for additional information.)
5. **MILITARY MAKE-UP** - Special test arrangements are available for active military members.
 6. **SPECIAL TEST ARRANGEMENTS** - Most written tests are held on Saturdays. If you cannot take the test on this day due to a conflict with a religious observance or practice and/or need special accommodations due to a disability, indicate this on your application form.
 7. **INVESTIGATION OF CANDIDATES** - Inquiries may be made as to character and ability, and all statements made by candidates in their applications are subject to verification.
 8. **BACKGROUND INVESTIGATION** - Applicants may be required to undergo a criminal history background investigation to determine suitability for appointment. Failure to meet the standards for the background investigation may result in disqualification.
 9. **ADMISSION NOTICES** - The Commission will notify all candidates of the disposition of their applications. Approved candidates will be notified at least four days in advance of the place, date and hour of exam. **If you have not received notification of acceptance or rejection or information as to where to appear for the exam by the Wednesday before the exam date, contact this office at 286-4432 or 286-4435.**
 10. **PASSING MARK** - The passing grade in each announced subject of an examination is 70.
 11. **INTERVIEWS** - As an aid in rating training and experience, interviews may be required at a later date.
 12. **PHYSICAL EXAM** - Prior to appointment, each candidate will be required to pass a physical exam and drug testing.
 13. **RETIREMENT SYSTEM** - Permanent, competitive appointments are required to join the NYS Retirement System.
 14. **DEGREES AWARDED FROM EDUCATIONAL INSTITUTIONS OUTSIDE OF US OR TERRITORIES:** Your degree and/or college credit must have been awarded by a regionally accredited college or university or one recognized by the New York State Education Department as following acceptable educational practices and/or your high school diploma must be equivalent to one awarded in the U.S. If your high school diploma, degree and/or college credit was awarded by an educational institution outside of the U.S. and its territories, you must provide independent verification of equivalency. You can write to this Department for a list of acceptable companies providing this service; you must pay the required evaluation fee.
 15. **APPLYING FOR CIVIL SERVICE EXAMS ON THE SAME DATE IN MULTIPLE JURISDICTIONS:**
 - A) If you have applied for both State and Local government exams, you must make arrangements to take all your exams at the State exam center by calling (518)474-6470 or toll-free at 1-877-697-5627 (press 2, then press 1) no later than two weeks before the test date and also notify the Niagara Falls Civil Service Commission **in writing, preferably prior to the last date for filing for the exam, but in no case less than two weeks prior to the exam date.**
 - B) If you have applied for other local government exams, you must contact each jurisdiction as instructed. The City of Niagara Falls requires a **written request no later than two weeks before the date of the exams.** You must notify all jurisdictions at which test site you wish to take your exam(s). For more information regarding this policy, call (716) 286-4432.
 16. In conformance with section 85-a of the Civil Service Law, children of firefighters and police officers killed in the line of duty shall be entitled to receive an additional ten points in a competitive exam for original appointment in the same municipality in which his/her parent has served. The parent is deemed to have served in a municipality if he/she was employed by or worked primarily in that municipality. If you are qualified to participate in this exam and are a child of a firefighter or police officer killed in the line of duty in this municipality, please inform this office when you submit your application for examination. A candidate claiming such credit has a minimum of two months from the application deadline to provide the necessary documentation to verify additional credit eligibility. However, no credit may be added after the eligible list has been established.
 17. The City of Niagara Falls does not discriminate against any employee or applicant for employment because of race, color, religion, sex, age, handicap, marital status or national origin.
 18. Applicants who have completed accredited military or industrial training can contact Excelsior College at www.excelsior.edu for information about the Full Service Credit Bank service which can issue a college transcript to be reviewed for compliance with the minimum education requirement for an exam.

DISTINGUISHING FEATURES OF THE CLASS: This is moderately difficult, sub-professional engineering work performed in the office or in the field. The work involves the responsibility for making the more difficult routine technical computations and drawings, and gathering preliminary data for use by superiors. The incumbent may locate water mains or sewer lines pursuant to New York State Code 53 or locate mains, valves, etc., from existing prints, notes, etc., for repairs to existing facilities, or may be assigned to the upkeep of engineering progress payments, system drawings, plant drawings, or other difficult office work. General supervision is received from engineering management with considerable leeway for exercise of independent judgment in carrying out the details of assignments in accordance with Water Board policy and sound engineering practices. Supervision may be exercised over Engineering Aides and other subordinate employees as assigned. The Engineering Systems Technician performs related work as required.

SUBJECT OF EXAM: The Written test will cover knowledge, skills and/or abilities in such areas as:

1. **Mathematics, including algebra, geometry and trigonometry** - These questions test for the ability to read, analyze and solve technician-level written problems involving addition, subtraction, multiplication, division, algebraic equations, geometric concepts and figures, and basic trigonometric functions.
2. **Understanding and interpreting engineering plans and descriptive specifications** - These questions test for the ability to read and analyze technical drawings and written technical presentations, and to perform related computations. Some technical knowledge of construction and estimating terminology and methods will be required.
3. **Land surveying principles and practices, including map interpretation** - These questions test for fundamental knowledge of the concepts, computations and proper procedures involved in performing surveys for construction projects and land areas, including the use of theodolites, total stations, automatic levels and other contemporary field survey equipment; and for the ability to read, analyze and perform technical computations based on topographic and survey maps and site plans.
4. **Principles and knowledge related to computer-assisted drafting (CAD) technology** - These questions test for knowledge of the basic concepts, terminology and proper procedures to use when creating technical drawings utilizing computerized drafting software.
5. **Construction and maintenance of water and sewage systems, including treatment plants** - These questions test for knowledge of the principles, practices and materials used in the installation, maintenance and repair of waterlines, sewers, storm drains, water and sewage treatment plants, and their related appurtenances.
6. **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.
7. **Understanding and interpreting written material** - These questions test how well you comprehend written material. You will be provided with brief reading selections and will be asked questions about the selections. All the information required to answer the questions will be presented in the selections; you will not be required to have any special knowledge relating to the subject areas of the selections.

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.state.ny.us/testing/localtestguides.cfm

CALCULATOR STATEMENT: CANDIDATES ARE PERMITTED TO USE QUIET, HAND-HELD, SOLAR OR BATTERY POWERED CALCULATORS. CELLULAR PHONE CALCULATORS, DEVICES WITH TYPEWRITER KEYBOARDS, "SPELL CHECKERS," "PERSONAL DIGITAL ASSISTANTS," "ADDRESS BOOKS," "LANGUAGE TRANSLATORS," "DICTIONARIES," OR ANY SIMILAR DEVICES ARE PROHIBITED. YOU MAY NOT BRING BOOKS OR OTHER REFERENCE MATERIALS.

RATING OF EXAMS: The written exam is being prepared and rated by the New York State Department of Civil Service in accordance with Section 23-2 of the Civil Service Law. The provisions of New York State Civil Service Rules and Regulations dealing with the rating of exam will be applicable to this written exam.

AN EQUAL OPPORTUNITY EMPLOYER

DATED: July 9, 2011
