

## **WATER QUALITY TECHNICIAN**

**DISTINGUISHING FEATURES OF THE CLASS:** The Water Quality Technician performs specialized scientific and technical responsibilities for the Chautauqua County Soil & Water Conservation District. The work involves developing, planning, coordinating, and implementing water quality projects and programs under the guidelines of local and New York State regulations. This position will support the District's efforts to improve quality of water resources through best management practices, education and outreach. Incumbents work under general supervision with wide leeway allowed for the exercise of independent judgment. Does related work as required.

### **TYPICAL WORK ACTIVITIES:**

Develops, coordinates and supervises the District's emergency storm intervention and hydroseeding programs;  
Assists with established district programs, Agricultural Environmental Management (AEM) and watershed planning efforts;  
Explores new programs and technologies for the compilation of data and watershed modeling;  
Plans and assists in the development of agricultural waste management systems and the potential effects of surface and ground water supplies;  
Assists in preparing grant proposals and activities required for the implementation of grants and other special programs;  
Researches and recommends policies and codes for local compliance and sustainable watershed management;  
Prepares reports and other information, either manually or by use of a computer application program;  
Develops and maintains public relations with regard to water quality;  
Provides technical assistance to landowners and government agencies for the evaluation, survey, design, layout and inspection of water quality best management practices;  
Attends and reports on water quality activities at meetings held by conservation partners, other agencies, municipalities and groups or organizations as requested;  
Provides assistance to communities, lake associations and other interested water quality groups requesting watershed protection, planning and implementation projects;  
Conducts a public information program including the preparation of workshops, announcements, brochures, maps, presentations, newsletters, articles and press releases related to conservation programs;  
Develops specifications for bidding and purchase of specialized equipment needed for implementing water quality programs;  
Provides technical assistance in reading and interpreting soil maps, topographic maps, aerial photographs, and other cartographic resources commonly used in watershed management;  
Assists watershed groups to understand and work within the responsibilities, roles and relationships of various local, state, and federal agencies;  
Provides assistance in the areas of aquatic ecosystems, fisheries, aquatic vegetation and both organic and inorganic chemical elements commonly associated with non-point source pollution;  
Operates survey equipment, Global Positioning Systems (GPS), Geographical Information Systems (GIS), desktop applications and tractors with attachments.

### **FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:**

Working knowledge of the principles and practices of natural resource conservation with emphasis on non-point source pollution, water quality practices, watershed management and aquatic ecosystems; working knowledge of Geographical Information Systems (GIS); ability to effectively deal with the public; ability to compile and prepare written reports; ability to understand and carry out written and oral instructions; ability to communicate effectively both orally and in writing; ability to use computers and current technologies; tact; courtesy; integrity; physical condition commensurate with the position.

**MINIMUM QUALIFICATIONS:** Graduation from high school or possession of a high school equivalency diploma and either:

- A. Graduation from a regionally accredited or New York State registered college with an Associate's degree or higher in Mechanical Engineering, Civil Engineering, Civil Technology, Agricultural Sciences, Environmental Sciences or Geology;
- OR
- B. Two (2) years of paid experience in soil and water conservation work or closely related work.

**ADDITIONAL REQUIREMENT:** Ability to meet the regular transportation requirements in carrying out fieldwork assignments at time of appointment and during service in this classification.

**SPECIAL REQUIREMENTS:** Must possess a valid Motor Vehicle Operator's license. Physical condition commensurate with the demands of the position, with the ability to lift 50 lbs. repeatedly throughout the course of the day. Must be able to work occasional evenings and/or weekends and be able to travel overnight occasionally.

**SALARY AND BENEFITS:** \$18.81 - \$19.44/hour - Dependent upon experience and skills. Full health insurance, vision & dental; NYS Retirement, and optional NYS Deferred Compensation Investment Plan; Paid Holidays, Accrued Vacation and Sick Time.

ADDITIONAL NOTE: This position is a Civil Service position for which the initial appointment will be as a provisional (pending examination). The incumbent will be required to take and pass a Civil Service examination and to achieve a high enough exam score to be reachable for appointment from the exam eligible list.

CONTACT: Please mail Resume, Application and Letter of Interest to: David Spann, Chautauqua County Soil & Water Conservation District, 220 Fluvanna Ave Suite 600, Jamestown, NY 14701, or email to [dspann@soilwater.org](mailto:dspann@soilwater.org), by 4:00 PM on January 31, 2023.

\*\*If college or university education is indicated; transcripts are required and should be attached to all applications received. A candidate lacking the required transcripts will receive a conditional approval pending the receipt of transcripts. Please note that all Civil Service Laws and Rules Apply.

09/22/2014

Revised 12/15/2022 (Minimum Qualifications)