

WATER RESOURCE SPECIALIST

DISTINGUISHING FEATURES OF THE CLASS: This is specialized scientific and technical work involving responsibility for the development of information and programs to understand and protect water resources within Cattaraugus County. A person in this class gathers existing scientific information, develops new information, and serves as liaison to the various operating agencies and/or departments which would implement the plans and programs recommended. General supervision is received from the Public Health Director and Environmental Health Director with wide leeway allowed for the exercise of independent judgment. A Water Resource Specialist does related work as required.

TYPICAL WORK ACTIVITIES:

- Coordinates the public water supply inspection, monitoring, and surveillance program.
- Ensures fulfillment of all NYS Drinking Water Enhancement (DWE) grant work plan deliverables;
- Works with community leaders on the development of formal watershed and wellhead protection plans and assists them in zoning changes and actual implementation;
- Provides formal training to Department staff in the use of GIS and other technical mapping software;
- Provides technical assistance to department staff regarding water issues;
- Assists various Department staff on implementation of GIS projects;
- Reviews technical reports and data related to the ongoing investigation and remediation of inactive hazardous waste sites within the county;
- May prepare formal comment letters to regulatory agencies and processes Environmental Audit, State Environmental Quality Review (SEQR), and Freedom of Information Law (FOIL) requests;
- May serve as representative or liaison Department at official meetings involving state and federal representatives, consultants, and contractors, or other county departments;
- May perform site investigations to collect data and prepare technical reports on problems relating to the understanding and protection of the county's water and mineral resources;

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES, AND PERSONAL

CHARACTERISTICS: Comprehensive knowledge of the principles and practices applied in the field of geology, hydrology and/or water resources; thorough knowledge of the principles of civil engineering, physics, hydrology, mathematics, statistics, environmental sciences and geosciences; good knowledge of techniques of literature research; ability to perform basic computer programming in Visual Basic for Applications (VBA), Hypertext Preprocessor (PHP) and/or other common computer languages; ability to prepare complex technical reports; ability to express ideas clearly both orally and in writing; effective communicator with public and co-workers, ability to read and interpret technical drawings and data presented in tabular form; ability to work independently in new areas of policy formulation; courtesy; integrity; physical condition sufficient to perform the essential functions of the position.

MINIMUM QUALIFICATIONS: Graduation from a regionally accredited or New York State registered college or university with a Bachelor's degree in Civil Engineering, Civil Technology, Geosciences, Hydrology or a related field.

Note: Related fields may include planning, regional planning, mathematics, chemistry, architecture, landscape architecture, physics and closely associated disciplines *but must include* a minimum of 18 semester credit hours in hydrology, geosciences, and engineering or water resources courses.

CATTARAUGUS COUNTY CIVIL SERVICE

Adopted: 9/12/18