

GROUNDWATER MANGEMENT SPECIALIST

DEPARTMENT: Tioga Co. Public Health Department (Environmental Health)
CLASSIFICATION: Competitive
SALARY GRADE: Non-Union
ADOPTED: 12/10 – Reso. 273-10 Tioga Co. Personnel & Civil Service

DISTINGUISHING FEATURES OF THE CLASS: This position requires the establishment, analysis and maintenance of groundwater quality databases utilized by staff of the Environmental Health unit of the Public Health Department, local municipalities, and other various agencies. The incumbent uses these electronic databases in the development of technical management strategies to protect water quality such as finding ways to control land use and protect wellheads of both public and private water sources. The technical evaluations are then relayed to local government officials and/or the Public Health Engineer. The work is performed under the direct supervision of the Public Health Engineer with leeway allowed for the use of independent judgment in carrying out the details of the work. Does related work as required.

TYPICAL WORK ACTIVITIES: (Illustrative only)

- Conducts sanitary surveys for filtration avoidance, disinfection waivers, community systems, purchased systems, non-transient, transient systems, along with all other systems under Health Department's jurisdiction;
- Works in conjunction with Public Health Engineer for design requirements for water systems and aids with site investigations and inspections;
- Establishes and maintains databases regarding groundwater quality;
- Analyses the databases to draw conclusions to develop technical management strategies and prepare reports;
- Assists the Public Health Engineer, Public Health Sanitarians, or other department staff, local governments and other agencies in deciding protective plans of action;
- Works in an emergency preparedness capacity and provides technical support and execution of State and Local laws during a known public health water emergency;
- Assists staff in water borne disease outbreaks, potentially attributable to drinking water;
- Coordinates efforts with Local, State, and Federal agencies;
- Applies computer models to existing situations to draw conclusions and to generate new ideas;
- Provides technical assistance to homeowner and individual domestic water supply related to potential contaminations and/or samples as directed;
- Works with Local, State and County officials regarding public/private water supply protection policies;
- Assist with villages and towns to enact local laws and regulations to protect their community water supply.
- Assists staff in meeting any State requirements for the Enhance water program work plan;
- Assists staff in all routine compliance activities;
- Reviews monthly and quarterly operational reports

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES & PERSONAL CHARACTERISTICS:

Thorough knowledge of the purposes, principles, methods, and terminology of groundwater management; good knowledge of electronic data bases, including storage and retrieval of information, as well as interpretation of computer models; working knowledge of Public Health law and the New York State Sanitary Code; ability to analyze data and statistics, draw conclusions and generate reports; ability to give clear

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and complete oral and written reports; ability to establish effective working relationships with the Environmental Health unit staff, other departmental employees, various agency officials, local officials, and the public; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS: Graduation from a regionally accredited or New York State registered college or university with a Bachelor's Degree in environmental engineering, civil engineering, sanitary engineering, chemical engineering, hydrology, geology, biology, chemistry, natural resource management, environmental sciences, or public health with coursework in groundwater/water resources management, **AND** two (2) years of full time paid work experience or its part-time equivalent in any combination of the above fields.

Note: A Master's Degree in one of the above fields may be substituted for one (1) year of experience.

*A copy of college transcripts is required at time of application

SPECIAL REQUIREMENTS: Possession of a valid driver's license or otherwise demonstrate their ability to meet the transportation demands of the job.

This position will require an incumbent to travel and, depending upon the assignment, may include over night excursions within New York State. Approximately 55% of the work performed by the Groundwater Management Specialist is comprised of field assignments.