

## **GROUNDWATER MANAGEMENT SPECIALIST**

**DISTINGUISHING FEATURES OF THE CLASS:** This position requires the establishment, analysis and maintenance of groundwater quality databases utilized by staff of the Division of Environmental Health Services, local municipalities and other various agencies. The incumbent utilizes 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 Director of Environmental Health Services. The work is performed under the general supervision of the Senior Public Health Engineer with leeway allowed for the use of independent judgement in carrying out the details of the work. This position may oversee the work of both Public Health Sanitarians and Technicians involved in data collection. Does related work as required.

### **TYPICAL WORK ACTIVITIES**

Establishes and maintains databases regarding groundwater quality;  
Analyses the databases to draw conclusions, to develop technical management strategies and prepare reports;  
Assists the Director of Environmental Health Services, Senior Public Health Engineer, other departmental staff, local governments and other agencies in deciding protective plans of action;  
Coordinates efforts with local, State and Federal agencies;  
Applies computer models and tools to existing situations to draw conclusions and to generate new ideas;  
Oversees staff as well as interns in gathering information and implementing improved water delivery strategies;  
Evaluates reports on hazardous waste, supply vulnerability assessments and other potentially contaminated sites to assess the impact on groundwater.

### **FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND 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 State Sanitary Code;  
Ability to analyze data and statistics, draw conclusions and generate reports;

Ability to give clear and complete oral and written reports;  
Ability to establish effective working relationships with the  
Division of Environmental Health Services 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 an emphasis in groundwater/water  
resources management and 2 years experience in any combination of  
the above fields.

NOTE: A Master's Degree in one of the above fields may be  
substituted for one year of experience.

R449            3/27/13

COMPETITIVE