

ENVIRONMENTAL BIOLOGIST

DISTINGUISHING FEATURES OF THE CLASS: This is specialized professional public health work of a moderately complex nature involving responsibility for overseeing and participating in a surveillance program in connection with the County's control and prevention of mosquito infestation. The work is performed under the general direction of the Director of Environmental Public Health, and work guidance (e.g. lead work) may be provided to a number of Public Health Technicians. Does related work as required.

TYPICAL WORK ACTIVITIES:

Develops and implements a surveillance program that includes collecting, identifying, and processing mosquitoes for arboviral testing and prepares biological samples for further testing;
Reviews all potential mosquito breeding sites and recommends control strategies;
Prepares and maintains maps of all known mosquito sites;
Reviews subdivision storm water management plans to assure compliance with County Sanitary Codes, in accordance with established procedures and the guidance of a senior-level, or higher, Public Health Engineer;
Assists in securing required permits from NYSDEC and EPA for pesticide treatments and permits necessary for water management projects;
Reviews and inspects private subsurface septic disposal system designs and installations;
May supervise and/or apply approved chemical and biological controls using appropriate protective equipment according to label directions;
Oversees the implementation of source water management plans;
Prepares and maintains a variety of reports, including clear accurate records of all samples collected.

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

Thorough knowledge of the principles and practices of environmental public health, especially with respect to mosquito control; good knowledge of the methods and equipment used in the collection and processing of mosquito testing; good knowledge of the County Sanitary Codes, as they pertain to storm water management plans and mosquito control*; good knowledge of NYSDEC and EPA pesticide treatments; ability to communicate both orally and in writing; ability to establish and maintain cooperative relations with others.

MINIMUM QUALIFICATIONS:

A Bachelor's degree in Environmental Science, Biological Sciences, or comparable curriculum, and one (1) year of professional experience in the field of public health.

SPECIAL REQUIREMENT:

1. A valid New York State driver's license or accessibility to transportation to meet field work requirements in a timely and efficient manner.
2. A NYSDEC Pesticide License by the time of permanent appointment.

*To be demonstrated during the probationary period.

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Competitive