



West Nile Virus Technician

Department: Conservation District

Revised: March 2026

DESCRIPTION

Assist with the implementation of the mosquito-borne disease control and Integrated Mosquito Management (IMM) throughout Lycoming County. Key duties include fieldwork, data collection and entry, mosquito-borne disease control activities, and coordination with the Pennsylvania Department of Environmental Protection (PA DEP) staff.

This position operates under the direction and supervision of the Conservation District Manager, and the Conservation District Board of Directors.

SPECIFIC DUTIES

- Conduct comprehensive field studies and monitoring on the abundance, distribution, and life stage of mosquitoes as it relates to effective treatment.
- Collect and submit mosquito samples on dry ice for virus isolation.
- Enter all collected data into the PA DEP West Nile Virus Data System and correctly ship biological samples to the PA DEP's lab in Harrisburg, PA.
- Must obtain pesticide applicators license.
- Use effective mosquito larvicide methods to target known vectors of West Nile Virus and Zika Virus while maintaining accurate records according to the PA Department of Agriculture regulations.
- Disseminate press releases indicating when and where spray applications will be applied. Also notify individuals in the Pennsylvania Pesticide Hypersensitivity Registry, local beekeepers, and local municipal officials.
- Assist Coordinator and/or regional PA DEP staff when mosquito adulticide operations are planned.
- Conduct pre- and post-treatment monitoring of mosquito locations and map mosquito production areas.
- Attend meetings and training sessions that discuss the administration of the Mosquito-borne Disease Control program.
- Attends meetings and trainings that may involve overnight travel.
- Operate a variety of machinery, equipment, and tools associated with work activities, which may include a motor vehicle, camera, mosquito collection equipment, pesticide application equipment, office equipment, and other instruments.
- Maintain daily narrative of work activity, accurate timesheet, and mileage log. Turn in a daily log on a bi-weekly basis and timesheet and mileage log on a monthly basis.
- Ability to utilize information such as administrative procedures manuals, knowledge of computer word processing, database, spreadsheet and presentation software and ability to operate computers; ability to utilize advisory data and information such as technical

operating manuals, procedures, guidelines, non-routine correspondence, laws, and regulations.

- Ability to exert physical stress. Ability to lift at least 60 pounds, carry, push and pull. Ability to stoop, kneel, crouch, climb and crawl.
- Ability to travel overnight and/or multi-day when necessary to attend functions related to training.
- Must initiate own work and have the ability to complete assignments with minimal oversight.
- Must have patience, tact, a cheerful disposition, enthusiasm and the willingness to handle a wide range of individuals.
- Perform all other duties as assigned.

SUPERVISORY RESPONSIBILITIES

None

WORKING CONDITIONS

Individual must complete field responsibilities in adverse weather conditions. Ability to work outdoors and to negotiate uneven and rough terrain, including inclement weather where wet and slippery surfaces are encountered.

JOB REQUIREMENTS

- Highschool Diploma or GED.
- Ability to obtain Pesticide Applicators License.
- Ability to work independently with minimal supervision.
- Ability to read and apply rules, regulations, policies and procedures.
- Basic computer skills essential.
- Ability to communicate clearly and concisely, both orally and in writing. Some public speaking may be required.
- Must possess a valid PA driver's license and the ability to safely operate motor vehicle while carrying out assigned duties.

Company Description

County of Lycoming is a county in the U.S. Commonwealth of Pennsylvania and comprises the Williamsport Metropolitan Area. Lycoming is Pennsylvania's largest county by area and is a great place to live and work, offering outdoor adventures, history and culture, and sporting events.

Providing quality customer service to our citizens, business owners and visitors is County of Lycoming's top priority and that starts with our employees.

We offer an award-winning comprehensive benefits package, including generous paid holidays and vacation, a deferred benefit retirement plan, deferred compensation retirement plan availability, affordable medical and dental coverage, innovative wellness programs, extensive professional development opportunities, and more.

County of Lycoming is an Equal Opportunity Employer

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