

MOSQUITO ABATEMENT

ST. TAMMANY PARISH

JOB DESCRIPTION

Job title: Field Biologist

Job purpose: multi-dimensional field position responsible for collecting data on local mosquito abundance, environmental data collection, and coordinating and performing mosquito control operations.

Duties and responsibilities:

- Perform field inspections of larval mosquito abundance in a variety of habitats including septic roadside ditches, residences, freshwater swamps, marsh, and floodwaters.
- Perform field inspections of adult mosquito abundance by performing landing rates and setting/collecting mosquito traps.
- Collect environmental data using a variety of different equipment including water quality and meteorological sensors.
- Record data from field using web-based software platforms.
- Use specialized equipment such as backpack sprayers, high volume liquid sprayers, ultra-low volume (ULV) sprayers, and granular sprayers to perform mosquito management interventions including adulticiding and larviciding in a variety of mosquito habitats.
- Coordinate larvicide control operations in septic roadside ditches by communicating with larviciders and updating maps.
- Provide professional in-person service to assess, recommend and perform effective mosquito management strategies for residents and businesses of St. Tammany Parish.
- Assist the Field Operations Supervisor to update the truck-based adulticide map by measuring driveways and collecting location information of driveways.
- Operate vehicles including right-side drive trucks, marsh master track vehicle, four-wheelers, side-by-side utility vehicles, airboats, and outboard boats.
- Communicate effectively and professionally with colleagues and supervisors.
- Knowledge of and strict adherence to rules of safe operation and handling of insecticides and equipment utilized for mosquito inspections and control activities.
- Maintain up-to-date records of inspection and control activities.
- Maintain a culture and attitude of safety, cleanliness, and professionalism.

As needed duties:

- Collect adult mosquito abundance data at night.
- Assist with training new field staff.
- Assist the Education/Outreach Specialist to represent STPMAD at community events.
- Assist the Entomologist in performing quality control tests and special research projects.
- Assist the Mechanical Shop staff in performing automotive maintenance.
- Assist the Facilities and Inventory Manager in performing facilities maintenance.
- Present information for technical and education programs in both written and oral forms.

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Minimum qualifications:

- Current driver's license.
- Basic computer and tablet (or smartphone) proficiency.
- Bachelor's degree in biology, environmental science, public health, or related field.
- Obtain a license from the Louisiana Department of Agriculture and Forestry (category 8A) and General Standards for applying mosquito control insecticides within 1 year of date of start.

Working conditions:

Working conditions will require working outdoors in a variety of environmental conditions and early morning, evening, and weekend work at times. Employee may use or be around power tools and heavy equipment including all-terrain vehicles, airboats, and forklifts. Sitting in an office or classroom for extended periods of time such as at a meeting will be required. Extended periods of time using a computer will be required.

Physical requirements:

This position can be a physically demanding job at times and will require extended periods of walking, kneeling, and bending over. The person must be able to maintain balance and safely walk on uneven surfaces such as the slope of a roadside ditch. The person must have the ability to lift at least 50 pounds at times, work around water, use power tools, climb ladders, and ability to drive. Starting work early in the morning or working late into the evening may be required.