



# Delta Mosquito & Vector Control District

## Job Description:

### Laboratory Technician I and Vector Control Technician I

#### DEFINITION

Under supervision, inspects properties for mosquito sources, monitors sources for the presence of mosquito life stages, uses a variety of control methods to prevent mosquito larvae from developing into biting adults, maintains assigned equipment and other workspace, and completes other related tasks that support the District mission as required.

#### POSITION STATUS

This is a temporary, at-will and non-benefit position. Assignment to this position cannot exceed 1,000 hours in a fiscal year.

#### PAYSCALE

Five-step pay scale \$17.60 to \$21.98 hourly. Paid sick leave accrues at the rate of one hour per every 30 hours worked, up to 40 hours or five days. Employees may use accrued paid sick days beginning on the 90th day of employment.

#### ESSENTIAL FUNCTIONS

Under supervision, the Laboratory Technician I and Vector Control Technician I carry out assignments as trained, the details of which have been planned and organized by supervisory staff. Work is performed in accordance with established methods and safety protocols. Work assignments are accompanied by oral or written instructions.

The Laboratory Tech I prepares, sets, and collects vector traps throughout the District and is responsible for the cleaning, maintenance, and simple repairing of all traps. When laboratory technicians interact with members of the public, they must do so in a calm, courteous, and professional manner.

The Vector Control Technician I inspects public, residential, and commercial properties for the presence of standing water; samples sources of standing water for the presence of mosquito developmental stages; and uses physical, chemical, and biological control methods to suppress mosquito population abundance. Technicians are responsible for cleaning, general maintenance, and simple repair of their assigned equipment and general workspaces. Vector control technicians must interact with members of the public in a calm, courteous, and professional manner.

Laboratory Technicians and Vector Control Technicians use mobile data collection devices to accurately record daily activities relating to property and source inspections, control activities, safety inspections, and other activities. Technicians use a combination of mobile mapping applications, such as Google or Apple maps, and paper maps to safely navigate to locations throughout the District. They are required to manage their time effectively in the field, using the mobile data collection device.

Laboratory Technicians and Vector Control Technicians must safely drive motor vehicles on public and private roads and operate hand and power spraying equipment. Each Technician is

expected to maintain a clean and safe work vehicle and to maintain other equipment appropriately. Mechanical issues with their assigned motor vehicle or other equipment are to be promptly reported to supervisors. The individual must follow all safety policies and wear appropriate protective equipment as required by Federal, State, Local, and District policies and regulations. Technicians assist in maintaining a clean and organized workplace, which includes disinfecting work counters, sweeping, mopping, taking out trash, organizing, and other necessary District activities. Appropriate protective equipment is supplied for all activities.

The Laboratory Technician I and Vector Control Technician I work throughout the District including on public, residential, agricultural, and commercial properties in a variety of conditions. Physical labor such as loading equipment, emptying water sources, lifting sewer or storm drain covers, removing debris, and other contaminants may be necessary. Walking over rough terrain to inspect and control sources is necessary. The individual may be asked to collect animal and bird carcasses affected by vector-borne pathogens.

The Laboratory Technician I occasionally collects animal and bird carcasses that are potentially infected with vector-borne pathogens. Laboratory Technicians may assist in the identification of mosquito species, processing larval specimens, and maintaining the mosquitofish hatchery after their primary daily responsibilities are complete.

All Technicians must attend training sessions and read provided manuals to keep informed of regulations, policies, and procedures. Technicians must notify supervisors of progress and problems, requesting consultation as required. All Technicians are responsible for following all protocol and guidelines provided.

Other duties that support the District's goals may be assigned.

## **QUALIFICATIONS**

**Education:** High School Diploma or G.E.D. equivalent

### **Knowledge of:**

- Standard vehicle operation including observing legal and defensive driving practices.
- Reading, writing, and oral communication.
- Time management and working independently as well as cooperatively with other employees.
- Mobile phone, tablet, and/or laptop operations.
- Basic mathematical operations.
- General biology.
- Accurate recordkeeping.

### **Skilled in:**

- Use of mobile phone, tablet, and/or laptop.
- Addition, subtraction, multiplication, and division of whole numbers, common fractions, and decimals.

### **Ability to:**

- Understand Safety Data Sheets and pesticide label information.
- Learn basic mosquito life cycles and make field identifications of mosquito genera and life stages.

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- Complete daily vehicle safety inspection, fuel vehicle, and maintain a clean, organized work vehicle.
- Learn how to safely operate a manual transmission vehicle and hand or power application equipment, and pesticide equipment.
- Make accurate observations and maintain detailed records, field notes, and maps.
- Accurately record data using a mobile device.
- Navigate to various locations using a mobile device.
- Understand and follow oral and written instructions including those in text, diagram, or schedule form.
- Accurately calculate, measure, and apply pesticides according to instructions and EPA product labels.
- Relate concepts such as rate, ratio, percentages, area, and volume to practical situations.
- Establish and maintain good working relationships with the public and fellow employees.
- Perform moderate to heavy physical labor frequently in temperatures above 90 degrees Fahrenheit.
- Work independently and responsibly to complete assigned activities in a timely manner without direct supervision.
- Correctly use personal protective equipment.

**Licenses, certificates, and other special requirements:**

- Possession of a valid California Class C driver's license with a good driving record during the entire time of employment. Employees are enrolled in the DMV Pull Notice Program.
- Must qualify for insurance coverage by the District's insurance carrier. No major violations and no more than 3 points in a 12 month period, 5 in a 24 month, or 7 in a 36 month period on driving record. A DMV printout is required.
- Must be at least 18 years old.
- Successful completion of pre-employment physical examination and drug screening paid for by the District.

**WORKING CONDITIONS & SUPPLEMENTAL INFORMATION**

The majority of work in this position is performed outdoors in varying temperatures and within and around various types of aquatic habitats, including polluted water sources. Hazards may include insect bites, chemicals, fumes, dust, hazardous materials, venomous insects, vectors and vector-borne diseases, rough terrain, inclement weather conditions, vicious animals, and poisonous plants and animals. This position requires the use of hand and powered equipment as well as frequent driving of automatic and/or manual transmission vehicles as well as getting in and out of vehicles frequently.

The following list of mental and physical demands are required to successfully perform the essential job duties of this class:

- Physically able to perform manual labor, lift weights up to 50 pounds.
- Work under hot and unpleasant weather and environmental conditions outdoors.
- Perform repetitive motions such as those associated with mobile device usage, loading/unloading work vehicles.
- Walk long distances and traverse rough, sloping and/or uneven ground such as yards, fields, dirt banks, stream beds, and shallow ponds.
- Ability to swim.

- Ability to tolerate insect bites and stings such as mosquito bites and, bee stings, etc.
- Ability to be vaccinated for various diseases to which the employee may be exposed to in the course of duties. Vaccinations may be required, at District expense, depending on changing exposure risk.

**Physical Demands:**

Physical Activities	Rarely	Sometimes	Often
Stand			X
Walk			X
Sit		X	
Use hands to manipulate, feel, hold, or handle			X
Reach with hands and arms			X
Climb or balance			X
Stoop, kneel, crouch, bend, or crawl			X
Talk or hear			X
Taste or smell			X
Lift up to 10 pounds			X
Lift up to 25 pounds		X	
Lift up to 50 pounds		X	
Lift up to 100 pounds	X		
Lift over 100 pounds	X		

**Vision Requirements**

*Close vision (clear vision at 20 inches or less):* Identification of species and stage of larval development and driving.

*Distance vision (clear vision at 20 feet or more):* Environmental evaluation, control of mosquito vector sources, safety, and driving.

*Peripheral vision (ability to observe an area that can be seen up and down or to the left and right while eyes are fixed on a given point):* Environmental evaluation, control of mosquito vector source, safety, and driving.

*Depth perception (three-dimensional vision, ability to judge distances and spatial relationships):* Environmental evaluation, control of vector source, safety, and driving.

Work Environment	Rarely	Sometimes	Often
Wet or humid		X	
Near moving mechanical parts		X	
Outdoor weather conditions			X
Fumes of airborne particles	X		
Toxic or caustic chemicals		X	
Extreme heat		X	

The position typically experiences a moderate noise level consistent with an office with computers and printers or light traffic. Occasionally, the noise level is consistent with an automotive repair shop.

The Delta Mosquito and Vector Control District is an Equal Opportunity Employer and does not discriminate on the basis of race, color, creed, ancestry, national origin, gender, marital status, sexual orientation, religion, age, veteran status, or disability.

*The Delta Mosquito & Vector Control District reserves the right to modify, delete, augment, or supplement the duties, qualifications, and requirements stated at its sole and absolute discretion.*

I, \_\_\_\_\_, have read and understand the job description(s) for the Laboratory Technician I and Vector Control Technician I (circle which position applies to you) position including the essential work functions of these positions. I am fully capable of performing all aspects of the Laboratory Technician I and Vector Control Technician I (circle which position applies to you) position while employed by the Delta Mosquito and Vector Control District.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date