
Solano County Mosquito Abatement District

POLICY HANDBOOK

POLICY TITLE: Job Description – Mosquito Control Technician

7/19/22

General Job Description

Under the general direction of the District Manager and the direct supervision of the Field Supervisor the Mosquito Control Technician performs inspection of mosquito sources and applies mosquito control measures in conformance with Federal and State laws, regulations, and District policies. Responsible for the safe use of public health pesticides and the efficient operation of spray equipment, motor vehicles, and similar equipment. Work is performed in accordance with established methods and techniques, but employee exercises considerable judgment in inspection and spray assignments.

The Mosquito Control Technician must be physically capable of working long hours in a variety of environmental conditions while wearing required equipment. This position requires working outside in a variety of weather conditions ranging from below freezing to above 100°F with exposure to sun, heat, wind and rain. This is a heavy work position that requires up to 100 pounds of force occasionally and/or 50 pounds of force frequently, and/or 20 pounds of force constantly to move objects.

The Mosquito Control Technician must be able to communicate effectively with members of the public to gain access to known or suspected sources of mosquitoes, present him/herself professionally and work cooperatively with coworkers, members of the public and employees of other agencies. Technician may encounter unfriendly, uncooperative or hostile people or animals.

The duties of this position are performed both in an indoor setting and in the field. The outdoor work takes place in varying temperatures and within various types of aquatic habitats, including polluted water sources. Ability to traverse rough, sloping or uneven ground such as fields, dirt banks, streambeds, wetlands and shallow pools, walk and work in dense vegetation, freshwater marshes, tidal marshes and wetlands and steep terrain. Hazards may include insect bites, chemicals, fumes, dust, hazardous materials, venomous insects, vectors and vector-borne diseases, inclement weather conditions, vicious animals, hostile people and poisonous plants (i.e. poison oak) and animals.

This job description reflects management's assignment of essential functions. Nothing in this job description restricts the District Manager's right to assign or reassign duties and responsibilities at any time.

Surveys the District service area and assigned zone(s) for mosquito breeding sources, such as but not limited to, ponds, catch basins, retention basins, marsh areas, dairy facilities, residential premises, swimming pools, managed wetlands, tidal marshes, ditches, pastures, agricultures sources, tree holes, septic systems, waste/sewers ponds and stream/creeks.

The Mosquito Control Technician with a minimum of supervision:

- (a) Applies principles of integrated pest management to reduce mosquito population in assigned zone(s).
- (b) Inspects known, suspected, and potential sources for all stages of mosquitoes.
- (c) Mixes, loads and applies public health pesticides in accordance with label directions.
- (d) Is knowledgeable about active ingredients and formulations of the available public health pesticides and able to calibrate pesticide application equipment.
- (e) Responds to service requests promptly and professionally.
- (f) Maintains records of sources, inspections, pesticide use, service requests and other actions as required.
- (g) Safely operates assigned vehicle(s), Atv's and equipment.
- (h) Maintains assigned vehicle(s) and equipment in good working order.
- (i) Works with residents, property owners and others to identify long-term solutions for mosquito control.
- (j) Is knowledgeable about mosquito identification and biology of the various mosquito species found in Solano County.
- (k) Prepares and revises operational maps, survey maps and spray maps.
- (l) Assists with district projects (maintenance of facilities and landscaping, fabrication, equipment repair and maintenance, vehicle maintenance and other projects as assigned.
- (m) Ability to understand and carry out oral and written instructions.
- (n) Ability to write legibly and make accurate reports.
- (o) Perform other duties as required.

Prerequisite Qualifications

Must possess a high school diploma or GED.

Must have a valid California driver license and be insurable with the District's coverage provider.

Must maintain California driver license and remain insurable with the District's coverage provider throughout employment with the District.

All persons selected for appointment must pass a pre-employment medical examination including pre-employment drug testing and background check.

Must possess or obtain within six months of employment valid certification from the California Department of Public Health as a Mosquito Control Technician (Cat. A & B) and must maintained throughout employment.

Must possess or obtain within twelve months of employment valid certification from California Department of Public Health in Terrestrial Invertebrate Vector Control and Vertebrate Vector Control (Cat. C& D) and must maintain throughout employment.

Work Hours

40 hour workweek, generally Monday thru Friday, 7:00 a.m. – 3:30 p.m.

Hours may vary according to daily work schedule.

Additional work hours may be required, occasionally as necessary.

This job description does not imply any written or verbal contract and is for management communication purposes only. The District reserves the right to change this job and its related responsibilities as business needs require.