

The first time handed
to me by Ditho Murata 12/10/08

SAN JOAQUIN COUNTY MOSQUITO & VECTOR CONTROL DISTRICT

POLICY TITLE: Class Specification - Mosquito Control Technician I

POLICY NUMBER: 2370

NATURE OF WORK

This is skilled and specialized work in mosquito control. Work involves inspection of mosquito sources and applying control measures in compliance with State laws, regulations, and district policies. Responsibility for the safe application of 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 independent judgment in inspection and spraying assignments. Supervision is received from a supervisor through review of work and reports, and through conferences.

ILLUSTRATIVE TASKS

- Surveys and inspects in assigned areas for mosquito breeding sources and determine stages of growth, types of mosquitoes and other factors important in applying control measures.
- Operates spray equipment, motor vehicles, and similar equipment used in district operations.
- Performs, or supervises small crews in premise inspections, prepares reports, and advises property owners on corrective measures.
- Performs, assists, or supervises small crews in the application of pesticides and assures that applications of pesticides are performed under optimum conditions in order to prevent damage to life, property and the environment.
- Performs, assists or supervises small crews in the dissemination of mosquito fish and/or other biological control agents to mosquito producing waters.
- Prepares and revises operational maps, compiles operational costs, assists in preparing survey maps, and draws sketch maps of mosquito sources.
- Contacts property owners and assists in prevention, reduction, and elimination of mosquito producing sources.
- Performs or supervises small crews in general labor duties in source reduction projects.
- Performs routine maintenance on vehicles and spray equipment, assists in mechanical maintenance, repairs, and fabrication; may be assigned to assist in maintenance and repair of building and installations.
- Makes a daily report of work performed and other information as required.
- Performs related work as required.

KNOWLEDGE, ABILITIES, AND SKILLS

- Considerable knowledge of mosquito biology, life habits, mosquito ecology, and characteristics.
- Ability to be insured, and maintenance of insurability, with the District's liability insurance provider.
- Considerable knowledge of the different types of pesticides; methods of mixing, dosage rates, methods of application, and safety precautions.
- Working knowledge of automotive equipment and of the techniques and methods used in servicing and effecting minor repairs.
- Working knowledge of general problems and techniques of mosquito control.
- Some knowledge of effective supervisory techniques.
- Ability to identify the various species of mosquitoes found in San Joaquin County.
- Ability to locate mosquito infested areas, treat such areas with pesticides in a safe but efficient manner.
- Ability to operate and maintain various types of spray equipment.
- Ability to work independently and maintain good cooperative relationship with property owners and other agencies.
- Ability to understand and carry out oral and written instructions.
- Ability to write legibly and make accurate reports
- Ability to understand and apply the elementary procedures of irrigation, drainage and source reduction or physical control procedures.
- Physical strength and ability to work out-of-doors, and occasionally under adverse weather conditions.

PHYSICAL DEMANDS:

- Incumbents may be exposed to hazardous control materials, venomous insects, vectors and vector-borne diseases, rough terrain, inclement weather conditions, vicious animals, poisonous plants and animals, and may deal with irate or antagonistic individuals.
- Under supervision, ability to mix, load, and apply pesticides in containers weighing up to 50 lbs. according to label specifications and established standards.
- Ability to demonstrate measurable visual depth perception and color vision; have a minimum of single ear aided hearing.
- Ability to demonstrate physical stamina to frequently* operate a motor vehicle; show coordination of eye/hand/foot.
- Ability to regularly* traverse uneven ground such as fields, dirt banks, stream beds, and shallow ponds carrying equipment and materials up to 50 lbs.; walk on even surfaces; stand for extended periods of time.
- Ability to wear protective equipment such as hip waders, and rubber boots, and respirators as needed.
- Ability to work alone at times and/or without direct supervision.
- Ability to tolerate insect bites.
- May be required to be vaccinated for various diseases to which incumbent may be exposed in the course of work.

- Ability to occasionally* operate specialized equipment such as boats, all-terrain vehicles, and other mechanized equipment; sit for extended periods of time; bend; use gross manipulation by hand; perform simple grasping and carrying.
- Ability to periodically* perform repetitive motion associated with computer usage; climb a ladder and operate spray equipment; twist; crawl; balance; lift; push; use fine manipulation by hand; power grip; squat/crouch; kneel; reach; climb; pull; smell.

* **Periodically** – Activity or condition exists up to 25 percent of the time.

Occasionally – Activity or condition exists from 25 to 50 percent of the time.

Regularly – Activity or condition exists from 50 to 75 percent of the time.

Frequently – Activity or condition exists 75 percent or more of the time.

EXPERIENCE AND EDUCATION

- Two years of experience in mosquito control or related work, graduation from high school, or equivalent combination of experience and training.
- Possession of a Mosquito Control Technician certificate issued by the State Department of Health.
- Possession of a valid California Driver's License.

DRAFT 1 MARCH 16, 1993
ADOPTED JUNE 15, 1993
AMENDED JULY 1995