Position: Vector Ecologist

Work Hours: 8:00 am to 4:30 pm, Monday through Friday

Salary: $5,922.80 - $7,198.53 Monthly, $71,073.60 - $86,382.40 Annually

Closing date and time: 31 December 2019 at 4PM Pacific Time

Definition: This position, under the general direction of the District’s Field Operations Supervisor, is a mid-level position that conducts surveillance and control of vector organisms, helps develop and implement methods for vector-borne disease surveillance and control, and educates the public. Examples of work include but are not limited to: performs laboratory work related to the surveillance and management of vector-borne diseases; deployment and collection of various mosquito traps throughout Napa County; identification of mosquitoes and other species of vectors; procurement, design, construction and maintenance of devices used to trap vector organisms; investigation of resistance of vectors to pesticides and related materials; helps with compilation and evaluation of data and generation of technical reports; and assists in developing educational materials and in providing public education.

Skills: Experience in mosquito and vector control surveillance work preferred; experience in public relations desirable but not required; proficient with use and operation of desktop and laptop computers; proficient with Microsoft Windows and MS Office software; experience in biosafety and laboratory practices; and thorough knowledge of vector biology, surveillance equipment, and laboratory techniques.

Education: Bachelor’s Degree or higher from an accredited four-year college or university in entomology, biology, parasitology, zoology, or closely related field and one-year full-time laboratory experience; OR three years full-time laboratory and vector-borne disease surveillance and one-year related academic experience.

License: Must have and maintain a valid California State Driver License with a good record and must be and continue to be insurable with the District’s insurance carrier.

Certificates: Must be certified by the California Department of Health Services as a technician in mosquito, terrestrial invertebrate, and vertebrate vector control within in three cycles of testing once employed with the District. All certifications must be maintained while employed.

Working Conditions: A substantial portion of the work (minimum 70% time) is performed in an outdoor setting. The position incumbent (Vector Ecologist) may also be exposed to: pesticides, solvents, toxic chemicals and cleaning agents, communicable diseases, poison oak and other noxious plants, pollen, dusts, polluted or contaminated areas, stinging and biting organisms (e.g., dogs, snakes, spiders, wasps, ticks, mosquitoes, etc.) and other health hazards; inclement weather conditions; and verbally abusive behaviour from hostile individuals.

Please Note: A cover letter, resume and completed application must be submitted

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**Functional requirements:**

- Ability to frequently demonstrate measurable depth perception;
- Must have measurable 20/20 vision (with correction);
- Ability to regularly manipulate small items and tools;
- Ability to regularly bend at the knees and waist;
- Ability to regularly reach overhead;
- Ability to periodically lie in a prone position;
- Ability to frequently traverse uneven hard or soft, wet or dry ground such as but not limited to fields, dirt banks, stream banks, shallow ponds, marshes, creeks and rocky or gravelly areas;
- Ability to regularly perform repetitive motion associated with computer devices, mechanical equipment, and small tools;
- Ability to periodically assist in lifting of objects weighing in excess of 60 pounds;
- Ability to regularly lift objects unassisted weighing 50 pounds;
- Ability to occasionally climb ladders or fences;
- Ability to occasionally crawl on the ground or through or under objects (e.g. wire fences);
- Ability to occasionally perform heavy physical labor;
- Must be willing to frequently work outdoors in all types of landscapes and under all types of weather conditions;
- Must have good verbal and written English communication skills;
- Must be able to always communicate with the public in a tactful, courteous and professional manner;
- Must be able to work effectively with a high degree of independence;
- Must always work cooperatively with private landowners and with individuals from other agencies; and
- Must be able to frequently receive, understand and follow oral and written direction from others.

**Post-Offer Physical Examination:** A medical doctor must certify that a candidate is physically able to perform the duties of the position and is free of illegal substances as determined by a drug screen. A medical doctor and/or laboratory designated by the District shall perform the post-offer physical examination, drug screen, and allergy analysis and the District shall pay all costs.

**Benefits:** Health insurance, dental insurance, 14 paid holidays, sick leave, vacation, CalPERS retirement.

Periodically = Activity or condition that exists up to 25 percent of the time.
Occasionally = Activity or condition that exists up to 25 to 50 percent of the time.
Regularly = Activity or condition that exists up to 50 to 75 percent of the time.
Frequently = Activity or condition that exists up to 75 percent or more of the time.

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