



CLASS SPECIFICATION

Class Code: 16375
Date Est: 3/2008
Last Rev: 6/2012
Last Title Chg:
FLSA: non-exempt
Probation: 12 months

VECTOR BORNE DISEASE SPECIALIST

DEFINITION

Under general supervision, performs the full range of vector-borne disease prevention duties with a high degree of independence; ensures appropriate surveillance and control of vector populations, active zoonotic disease surveillance and public education; reviews building plans for compliance; and performs related work as required.

EXPERIENCE AND TRAINING REQUIREMENTS

A bachelor's degree from an accredited college or university with major course work in biology, natural science, entomology, environmental sciences, or a closely related field, plus two years experience performing vector-borne disease prevention and control source reduction; OR an equivalent combination of education and experience.

LICENSE OR CERTIFICATE

A valid driver's license is required at the time of appointment.

Certification in the State of Nevada as a General Commercial Restricted Use Pesticide Applicator in the categories of Mosquito and Public Health must be obtained within one year of appointment. Failure to obtain such certification will result in termination.

EXAMPLES OF DUTIES (*The following is used as a partial description and is not restrictive as to duties required.*)

Reviewing construction plans and developing remediation compliance as required by the District Board of Health regulations governing the prevention of vector-borne diseases; evaluation of land development plans to ensure conformance to established regulations, identifying and requiring modification or mitigation measure to achieve compliance and allow permit approval.

Conduct field surveys, determining sources of potential threat to human health; determine the appropriate intervention strategies; implement methods for the control of vector-borne diseases to curtail the occurrence of conditions that adversely affect health, safety and comfort.

Suppress mosquito and midge populations to limit disease transmission and to provide nuisance avoidance; apply appropriate control methodologies to suppress the target population.

Conduct surveillance for diseases that emerge from animal populations such as mosquito borne encephalitis, plague, Hantavirus, Lyme disease as well as others that can cause human disease; identify, map, plan and record disease occurrence and using GIS/GPS.

Prevent plague infections by implementing control measures including flea suppression in high risk areas, serving as the Rabies Control Authority by investigating high risk incidents involving human expose; evaluate all animal bite case investigations and provide training and technical consulting services to the animal control agencies in the Health District.

Provide laboratory testing for Hantavirus, Lyme disease and mosquito born encephalitis as well as coordination of submissions to federal and state laboratories.

Participate and provide consultation and technical assistance to the public and business organizations in avoidance of vector-borne diseases; educating the community about vector-borne diseases, services provided and outreach activities.

Plan, organize and provide lead direction to volunteers or other work groups.

Testify/present evidence in court or before designated hearing boards regarding actions, involvement, observations, and information obtained, related to violations of vector control.

Write inspection and investigation reports, which evaluate findings and include recommendations; assemble data (computerized and manual) for tracking and documentation purposes and to prepare federal, state and local reports.

Participate in the development of regulations and recommend changes in division protocols and procedures; recommend methods for the control or eradication of vector-borne diseases.

JOB RELATED AND ESSENTIAL QUALIFICATIONS

Knowledge of:

Federal, state and local regulations governing the application of pesticides and other vector control measures.

Ecology, entomology, parasitology as they relate to vector control.

Pesticides, their application, effects and associated hazards to the environment, animal and plant life.

Investigative sampling and testing methods, techniques and protocols for vector control programs.

Conditions contributing to environmental health problems including human disease/injury causation factors (human, animal and plant) and accepted control measures.

Disease/injury control and prevention measures and protocols.

Quantitative methods, scientific methodology, data collection, and report preparation.

Instrumentation and equipment commonly used in vector control program.

Skill to:

Operate pesticide application equipment.

Ability to:

Identify species within vector populations.

Use sampling and testing methods for vector control data acquisition.

Operate instruments and equipment commonly used in vector control.

Operate and maintain assigned departmental equipment used in testing, sampling and eradication/control of environmental hazards and deficiencies.

Present training and public education programs to a variety of audiences.

Work with individuals from a variety of socio-economic backgrounds.

Interpret and apply protocols, regulations, policies and procedures.

Communicate in a clear, concise manner both orally and in writing.

Operate a personal computer and a variety of software packages.

Research, compile, tabulate, analyze and interpret data and information.

Write investigative reports and other documents.

Maintain files, records, data and information.

Read blueprints and construction plans.

Establish and maintain effective working relationships with those contacted in the course of work.

SPECIAL REQUIREMENTS

Essential duties require the following physical skills and work environment.

Work is performed in a standard office environment and various indoor and outdoor offsite locations. Ability to lift and move objects weighing up to 50 lbs. Ability to operate testing equipment for vector control. Ability to use standard office equipment including computers, copiers, telephones, and fax machines. Ability to work around machinery with moving parts and on slippery or uneven surfaces. Ability to tolerate exposure to the elements, dust, chemicals, and possibly toxic substances.

This class specification is used for classification, recruitment and examination purposes. It is not to be considered a substitute for work performance standards.