

## Open to the Public

### Veterinary Epidemiologist

**Department of Agriculture and Land  
Location: Charlottetown**

### **Full Time Temporary Position (Commencing Immediately for One Year)**

The PEI Department of Agriculture and Land aims to encourage the development of an innovative, diverse and inclusive workforce which enables the organization to realize its goals. The Veterinary Epidemiologist position is to provide both veterinary and epidemiological expertise in the development and maintenance of a surveillance system for animal health and disease. This position will work to meet the short and long-term needs of the provincial government, specifically the Department of Agriculture and Land, and support the *Animal Health Act*, *Animal Welfare Act* and associated regulations.

- Design and maintain the on-going, systematic collection, analysis and interpretation of animal health data for the planning, implementation and evaluation of animal health programs and to identify disease clusters and/or outbreaks.
- Use a validated multi-criterion approach and established framework to prioritize diseases for notification drawing on veterinary knowledge of animal diseases and epidemiological factors such as disease transmission, morbidity, mortality, economics (including trade), human health risks and acceptable control measures that are of most importance both from an animal health and welfare perspective.
- Provide expert advice to the Chief Provincial Veterinarian by gathering, synthesizing, analysing, recommending priority areas, writing reports/documents related to best practices and research on notifiable animal diseases and their associated surveillance systems.
- In collaboration with the legislative specialist, draft animal health notifiable disease regulations to support surveillance under the *Animal Health Act*.
- Develop analytical tools for data analysis including algorithms for identifying cluster of disease or outbreaks.
- Merge surveillance data with premises identification geographical information systems data to determine outbreak boundaries, recommendations for quarantine or control zones and movement restrictions.
- Use specialized epidemiological software to model outbreak spread predictions.
- Provide veterinary and epidemiological subject matter expertise to multi-sectoral partners.
- Provide advice, leadership and epidemiological expertise when monitoring the health and welfare status of species and measuring the effectiveness of animal health and welfare programs.
- Design, develop and directs animal health and welfare assessment analyses
- Gather and analyse information to support evidence-informed decision making for program activities provincially including intra-governmental and inter-governmental animal health initiatives, ensuring data integrity, high quality data analyses and compliance with provincial, national and international standards
- Optimize potential research and program opportunities by working collaboratively with teams within the department, industry and academia to identify program requirements and develop and propose research options or alternatives.
- Veterinary field work may be required in the event of an animal health emergency.
- Others duties epidemiological outbreak investigation support, one-health and one-welfare initiatives, food safety consultations and other duties as required.

#### **Minimum Qualifications:**

- Must have a Doctor of Veterinary Medicine with extensive experience in animal health.
- PhD in Epidemiology.
- Extensive skill in application of highly specialized epidemiological methods - research, evaluation and statistical analysis.
- Extensive skill in the use of specialized epidemiological software - STATA, SAS
- Considerable knowledge of PEI agricultural industry
- Knowledge of relevant national, provincial or local data sets as they pertain to the PEI animal health system
- Extensive ability to undertake research and analysis of program and policies using a variety of resources/research methods
- Experience in policy development.
- Excellent analytic, organizational, and oral/ written communication skills.
- Excellent time management to meet deadlines while handling multiple priorities.
- Strong team building and collaborative skills
- Geographic information systems software skills would be an asset
- Fluency in French would be considered an asset.

**Please Note: Preference will be given to UPSE Civil employees as per the UPSE Civil Collective Agreement.**

**Please ensure the application clearly demonstrates how you meet the noted qualifications as applicants will be screened based on the information provided. The successful candidate will be the only individual receiving written notification of competition results. The "Notification of Successful Candidates" list posted on the Employment Opportunity board will serve to inform all other applicants of competition results.**

**Salary Range:** \$34.41 - \$43.04 per hour (Level 19 - UPSE)  
**Bi-Weekly Hours:** 75.0 hours bi-weekly (evenings and weekends as required)  
**Posting ID:** 147131-0821ALTO  
**Closing Date:** Friday, September 3<sup>rd</sup>, 2021 **4:00 p.m.**

**Please return forms to PEI Public Service Commission, P.O. Box 2000, Charlottetown, Prince Edward Island, C1A 7N8. Applications may be sent by fax to (902) 368-4383. It is the responsibility of the applicant to confirm receipt of the application, by telephone or in person prior to the closing date. Please ensure that the appropriate Posting ID number is stated on all application forms. You can apply online or obtain an application form by visiting our web site at [www.gov.pe.ca/jobs](http://www.gov.pe.ca/jobs). Forms may also be obtained by contacting any PEI Government office, ACCESS PEI Centre, Regional Services Centre, or by telephone (902) 368-4080.**