



PERFORMANCE MANAGEMENT AND APPRAISAL SYSTEM - GOVERNMENT OF  
JAMAICA  
**MINISTRY OF HEALTH**

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JOB DESCRIPTION AND SPECIFICATION

<b>JOB TITLE:</b>	MEDICAL ENTOMOLOGIST
<b>JOB GRADE:</b>	SOG/ST 7
<b>DEPARTMENT:</b>	HEALTH PROMOTION AND PROTECTION, ENVIRONMENTAL HEALTH UNIT
<b>REPORTS TO:</b>	DIRECTOR, ENVIRONMENTAL HEALTH UNIT
<b>MANAGES:</b>	

This document is validated as an accurate and true description of the job as signified below

\_\_\_\_\_  
Employee

\_\_\_\_\_  
Date

\_\_\_\_\_  
Head of Department/Division

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date received in Human Resource Division  
created/revised

\_\_\_\_\_  
Date



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**JOB PURPOSE**

To develop policies, protocols and standards to guide staff in the delivery of vector control services by providing linkage and coordination between the Ministry of Health and vector control services islandwide and internationally.

**KEY OUTPUTS**

1. Integrated Vector Control Programme
2. Community Participation in vector control programme
3. Policy Recommendations
4. Technical Advice p
5. Research Projects documented
6. Reports prepared

**KEY RESPONSIBILITY AREAS**

1. Develops policies, standards, protocols and procedures to guide staff in the delivery of vector control services.
2. Prepares programmes for the national vector control service delivery system aimed at the prevention/control of mosquito-borne disease epidemics and for the control of other blood-sucking insects such as sandflies, blackflies and rodents.
3. Provides linkages, coordination and follow-up service between headquarters, other bodies and vector control activities in the regions/parishes.
4. Monitors and evaluates the national surveillance programme aimed at preventing the introduction of foreign vector mosquitoes into the



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country.

5. Collaborates in the development and implementation of projects aimed at developing sustainable community-based strategies for preventing/controlling epidemics of dengue and dengue haemorrhagic fever.
6. Represents the Ministry of Health at local and international fora, addressing issues affecting the control of vectors and vector-borne diseases.
7. Designs and directs research projects aimed at improving mosquito control methods.
8. Reviews and analyses reports from public health personnel, including the regions and provides technical advice and guidance in resolving entomological problems.
9. Advises on the organization and work of the Entomology Laboratory services within the National Public Health Laboratory. Provides technical advice to staff engaged in microscopic identification of the island wide collection of mosquito specimens, laboratory colonization of mosquitoes, measurement of the insecticide susceptibility status of mosquitoes and conduct experiments to determine the capabilities of mosquito bio-control agents.
10. Manages the Vector Control Information System and use the information for reviewing and planning the vector control programme.
11. Confers at the request of the Director, Environmental Health, with officials of various government and private organizations on matters such as the inspection of imported goods with regard to the possible introduction of foreign insect vectors and the status of vector-borne diseases in the region.
12. Coordinates and monitors the management of imported cases of malaria, including the conduct of epidemiological and entomological investigations.



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13. Prepares advisories for Medical Practitioners, Airlines, Travel Agencies, hospitals and other relevant institutions to re-sensitize these groups on the ever-present risk of the re-introduction of malaria into Jamaica and the strategies to prevent any such occurrence.
14. Advises and provides technical direction and information to the Director Health Promotion and Education in the development and execution of public education programmes focusing on vector control strategies.
15. Coordinates programmes aimed at monitoring cholinesterase activity in vector control workers who are exposed to insecticides during the course of their work activities.
16. Prepares and submits annual status reports on malaria and the aedes egyptian control programme to PAHO/WHO.
17. Maintains an awareness of trends and developments of vectors, vector-borne diseases and vector control services and developments regionally and internationally.
18. Provides technical advice on vector control issues.
19. Identifies and conducts training for field staff
20. Performs any other related duties as assigned by the Director, Environmental Health.

**PERFORMANCE STANDARDS**

1. Implementation of Vector Control Programme results in a reduction in the incidence of vector-bourne diseases
2. Protocol for vector control is developed, and is consistent with international standards
3. Guidelines for community participation and environmental projects is established and adhered to



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**REQUIRED COMPETENCIES**

<b>Critical Functional/Technical Competencies</b>	<b>Level</b>
In-depth knowledge of Public Health Laws and Regulation specifically to vector control	
Understanding of the social, cultural and economic factors that impact on the environment	
Sound knowledge of environmental protection and control laws, practices and issues locally and internationally	
Knowledge of new trends and development in the discipline	

<b>Critical Core Competencies</b>	<b>Levels</b>
Excellent oral communication skills	3
Excellent written communication skills	3
Ability to work in a team	3
Excellent interpersonal skills	3
Ability to manage external relationships	3
Possess problem solving and decision making skills	3
Excellent planning and organizing skills	3

**MINIMUM REQUIRED QUALIFICATION AND EXPERIENCE**

- Bachelors Degree in the Natural Sciences, with a major in Entomology, Zoology or equivalent
- Masters Degree in Medical Entomology
- At least five (5) years relevant and progressive experience

**SPECIAL CONDITIONS ASSOCIATED WITH THE JOB**

- Required to visit parishes



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- Required to travel overseas

**AUTHORITY**

- To address various fora on vector control issues
- To establish guidelines for vector control
- To approve feasible community environmental projects (vector control)