



MINISTRY OF WATER, LAND  
AND AIR PROTECTION

**PESTICIDE USE PERMIT**  
**No. 776-001-2003/2004**

*Under the Provisions of the Pesticide Control Act*

**British Columbia Minister of Health Services**  
**C/O 1515 Blanshard St. – 4<sup>th</sup> Floor**  
**Victoria British Columbia**  
**V8W 3C8**

The permit holder is authorized to use pesticides subject to the conditions listed below. Contravention of any of these conditions is a violation of the *Pesticide Control Act* and may result in prosecution.

The public notification procedures described in Section 16 of the *Pesticide Control Act* Regulation are replaced with the following directions concerning public notification of the issuance of this permit:

Information bulletins shall be sent by August 22, 2003, to news outlets in British Columbia using the government news release system. The information in the bulletins shall include the following: permit number; permit holder; permit holder contact information; purpose of use; how the permit will be administered; methods and location of potential pesticide application; common names of pesticides which could be applied under the permit; commencement and completion dates; and where the permit may be viewed on a government Web site.

The pesticide use as described by the Pesticide Use Permit Application received August 8, 2003 is approved, including the provisions of the **covering letter**, Appendix A – **List of Registered Pest Control Products**, Appendix B **Response Levels to Trigger Pesticide Application**, and Appendix C **Aquatic Information**. Please include these documents on the Web as well as this permit.

August 15/03  
Date Issued

A handwritten signature in black ink, appearing to read "C. Houghton", written over a horizontal line.  
C. Houghton  
Administrator, *Pesticide Control Act*  
Permit No.776-001-2003/2004

# Pesticide Use Permit for Controlling Mosquitoes for reducing the risk of West Nile Virus Transmission

## 1 Purpose

The pesticide use shall be for the purpose of controlling mosquito species on public or private land (including water bodies) in areas of British Columbia where there is a risk to human health from West Nile Virus.

This permit, issued by the Administrator, *Pesticide Control Act*, to the Minister of Health Services, shall allow the use, in 2003 and 2004, of pesticide products registered with the Canadian Pest Management Regulatory Agency in accordance with the application for the permit and associated documents received August 8, 2003, the pesticide product labels and the conditions below.

## 2 Pesticides and Application Methods Authorized

The following pesticide active ingredients and application methods are authorized for use:

Active Ingredient	Mosquito Stage	Application Method(s)
<i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> (Bti)	Mosquito Larvae	Ground or aerial
methoprene	Mosquito Larvae	Ground
malathion	Mosquito Adults	Ground or aerial
Synergized pyrethrins or synthetic pyrethroids	Mosquito Adults	Ground

**Note: The selection of pesticide active ingredients and application methods shall be determined by the permit holder.**

## 3 Access to Project Information

3.1. A copy of the permit and a description of actual or potential locations of pesticide use shall be made available for viewing to anyone within 48 hours of such a request.


## 4 Certification and Licensing Requirements

4.1. Pesticide use shall be carried out by or under the direct supervision of an individual with a valid British Columbia Pesticide Applicator Certificate in the mosquito and biting fly category.

4.2. Any pilot conducting aerial applications shall possess a valid British Columbia Pesticide Applicator Certificate in the mosquito and biting fly category.

4.3. Each contracting firm hired to conduct the project shall possess a current British Columbia Pest Control Service Licence.

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## 5 Notification

- 5.1. The permittee shall ensure that prior to the start of each project conducted under this permit (e.g. within each municipality or Regional District) in each year of the permit, that local residents have been notified of this permit and where it may be viewed, by a placement of a notice in a local newspaper or by some other method of notification.
- 5.2. The permittee shall ensure that prior to the start of each project conducted under this permit (e.g. within each municipality or Regional District) in each year of the permit, that notification is provided to the Administrator of the *Pesticide Control Act*. Notification shall include a description of the treatment area, and the pesticides and application methods to be used.
- 5.3. All personnel applying pesticides under this permit are to be provided copies of the conditions of pesticide use.
- 5.4. Prior to ground based adulticiding applications, signs advising of the pesticide use shall be posted at the main access points to the treatment area, at least 24 hours prior to the pesticide use.

## 6 Monitoring

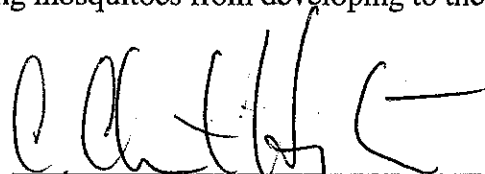
- 6.1. Continuing efforts are to be made during the mosquito breeding season to identify breeding sites and to update maps to clearly delineate the breeding habitat.
- 6.2. Efforts shall be made to identify the mosquito species breeding at each habitat type or site.
- 6.3. The density of larvae present before and after larvicide applications, determined using dip samples, shall be recorded.

## 7 Pesticide Use Restrictions

- 7.1. All pesticides shall be applied in a manner that protects domestic water sources.
- 7.2. Any spraying for adult mosquito control shall maintain a 10 metre (measured horizontally) pesticide-free zone along all waterbodies. Appropriate sized buffer zones must be established to protect the 10 metre pesticide-free zone during mosquito adulticide applications, and the boundaries of the buffer zone must be clearly visible during applications.
- 7.3. Larvicides may only be applied to water bodies where water dip samples have confirmed the presence of mosquito larvae.
- 7.4. Products containing *Bacillus thuringiensis* subsp. *israelensis* (Bti) may not be used in permanent fish bearing waters or in waters that have permanent direct surface water connections with fish bearing waters. A local representative of Fisheries and Oceans Canada must be consulted where the fisheries status of a water body is unknown.
- 7.5. Bti may not be applied to flowing water or to water where fish are present.
- 7.6. Products containing methoprene may only be used in storm water catch basins or human made self-contained water bodies.
- 7.7. The effectiveness of methoprene in preventing mosquitoes from developing to the adult stage shall be monitored.

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- 7.8. Pesticides must only be applied at times and under circumstances that minimize the exposure of the public.
- 7.9. Registered beekeepers in the area of proposed spraying of mosquito adulticides must be contacted to determine whether bee colonies may be affected and methods for minimizing any impacts.

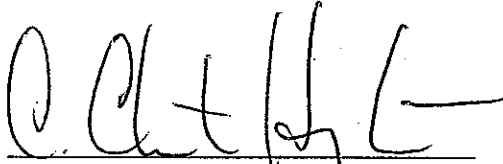
## 8 Authority or Permission Required to Treat Private Land and Public Lands

- 8.1. No pesticides may be applied to private or public lands (including water bodies) without appropriate authority or permission of the land owner or the responsible occupant, agency or manager.

## 9 Reporting

- 9.1. The permittee shall provide to the Administrator, *Pesticide Control Act*, (PO Box 932 Stn Prov Gov, Victoria BC V8W 9M1, Fax 250 387-8897) the following information by December 31 of each year in which the permit was in effect:
- a) Pesticide(s) applied, including their PCP registration numbers;
  - b) Application methods used;
  - c) Total area treated (ha);
  - d) Quantity of each active ingredient applied (kg), and
  - e) The total area treated with each pesticide (ha)
- 9.2. The permittee shall ensure that all treatment records are kept current for a minimum of 3 years from the date of the use of the pesticide and shall make the records available for inspection by the Ministry of Water, Land and Air Protection.
- 9.3. The permittee shall report immediately pesticide spills that may result in environmental impacts to the Provincial Emergency Program at 1-800-663-3456 or, where bystander health is threatened, to the local police or nearest detachment of the R.C.M.P. Spill affected areas shall be immediately cleaned-up and decontaminated. The permittee must provide the Administrator with reports on the spill, clean-up activities and decontamination actions as soon as practicable.
- 9.4. The permittee shall report immediately to the Administrator, any breach of a standard or violation of the *Pesticide Control Act* or Regulation, including:
- a) Description and location of event,
  - b) Date and time event occurred,
  - c) Persons present during event occurrence, and
  - d) Actions taken by proponent in response to event.

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## **Appeal Procedure**

A notice of appeal of this permit shall be sent by registered mail to the Environmental Appeal Board, PO Box 9425, Stn Prov. Gov't, Victoria BC V8W 9V1 or left during business hours at the office of the Chair of the Environmental Appeal Board, 4<sup>th</sup> Floor, 747 Fort Street, Victoria BC, within 30 days of the permit issuance date. A fee of \$25, payable to the Minister of Finance, must accompany the appeal.

The notice shall contain the name and address of the appellant, the name of the counsel or agent, if any, for the appellant, the address for service upon the appellant, grounds for appeal, particulars relative to the appeal and a statement of the nature of the order requested, and shall be signed by the appellant, or on his behalf by his counsel or agent.

cc: BC Pesticide Control Committee  
Regional Pesticide Officers