



BY REGISTERED MAIL and FAX

File: PUP 402-654-07/07

Date: FEB - 9 2007

British Columbia Ministry of Forests
Forest Practices Branch
P.O. Box 9513 Stn Prov Govt
Victoria BC V8W 9C2
Attn: Peter Hall, Provincial Entomologist

Dear Permittee:

Enclosed is Pesticide Use Permit No. 402-654-07/07 issued under the provisions of the *Integrated Pest Management Act*. Your attention is respectfully directed to the conditions of the permit.

This permit does not authorize entry upon, crossing over, or use for any purpose of private or Crown lands or works, unless and except as authorized by the owner of such lands or works. The responsibility for obtaining such authority rests with the permittee. It is also the responsibility of the permittee to ensure that all activities conducted under this permit are carried out with due regard to the rights of third parties and any other applicable legislation that may be in force.

This decision may be appealed in accordance with Section 14 (5) of the *Integrated Pest Management Act* and an appeal may only be commenced within 30 days of the date of this decision. Any appeal that may be commenced must be done in accordance with the practice, procedure and forms prescribed by regulation under the *Environment Management Act*.

Administration of this permit will be carried out by staff from our regional office located at 10470 - 152nd Street, Surrey, British Columbia, V3R 0Y3. Correspondence and reports pertinent to the permit are to be submitted to the Senior Pesticide Management Officer, Lower Mainland and Vancouver Island Regions at this address.

Sincerely,

J. G. Fournier
On Behalf of the Administrator, *Integrated Pest Management Act*.

Enclosure



BRITISH
COLUMBIA

The Best Place on Earth

MINISTRY OF ENVIRONMENT
PESTICIDE USE PERMIT
No. 402-654-07/07

Under the Provisions of the Integrated Pest Management Act

British Columbia Minister of Forests
Forest Practices Branch
P.O. Box 9513 Stn. Prov. Govt.
Victoria, B.C. V8W 9C2

is authorized to use pesticides subject to the conditions listed below. Contravention of any of these conditions is a violation of the *Integrated Pest Management Act* and may result in prosecution.

Treatment Dates

- A. The pesticide use described herein may be conducted on or between April 15, 2007 and June 20, 2007 when the permit expires.

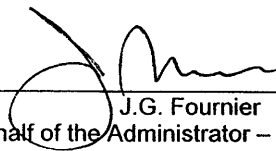
Notifications

- B. To allow inspection by the public, the permittee shall, within 7 days of permit issuance, post a copy of the permit with relevant maps at the Ministry of Forests – Forest Practices Branch in Victoria and the City of Courtney municipal hall or alternative sites to the satisfaction of the Senior Pesticide Management Officer, Lower Mainland and Vancouver Island Regions. The posted permit and maps shall remain at these locations until one week after all pesticide spray activities under the permit have ceased.
- C. Within 15 days of issuance of the permit, the permittee shall publish a notice in, at a minimum, the Courtney area community newspapers. The published notice shall contain the following information:
- (a) Name, address and telephone number of the permit holder,
 - (b) Permit number,
 - (c) Purpose of pesticide use,
 - (d) Pesticide used (trade name, P.C.P. No. and active ingredient),
 - (e) Method of pesticide application,
 - (f) A map showing the location and area of pesticide spray sites along with zones where the majority of spray drift deposition is expected to occur,

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- (g) Date of project commencement and completion,
- (h) Information on where copies of the permit and map of the treatment area may be examined in detail,
- (i) Information on how and when telephone support lines can be accessed by the public to obtain spray-related information or to discuss health-related concerns associated with the pesticide use.

D. **A press release** providing details of pending local pesticide use shall be sent at least one week prior to commencement of the **first pesticide spray** to, at a minimum, the Courtney and Comox area community newspapers. **The press release** shall contain at least the following, or comparable, wording:

The **first** in a series of aerial spray operations using the pesticide product Foray 48B (active ingredient Btk) to control introduced populations of the Gypsy Moth may commence as early as *insert date here*. A maximum of three spray applications will take place at about ten day intervals until June 20, 2007. Each application is expected to commence at sunrise and take about *insert duration here* minutes to complete on each of *insert number of days per spray application here* mornings. People who wish to minimize their exposure may remain indoors with their windows and doors closed during the spraying and for at least 30 minutes thereafter. Changes in weather conditions may cause proposed applications to be cancelled or delayed with little advance notice.

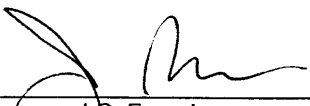
Notification (written if possible) shall be provided to the persons listed below, or their representatives, at least 24 hours before commencement of each spray application. Immediate notification will be provided to these persons when a pending spray application has been cancelled, delayed or deferred. Notification will include estimates of how long the impending spray will likely take to be completed, when a deferred application has been rescheduled or, when the next spray is likely to occur.

The following persons or their appropriate representatives are to be directly notified:

- the Medical Health Officer for the Vancouver Island Health Authority,
- the Principals of all schools within the authorized spray areas and the primary zones of spray drift deposition,
- the owners or managers of any licensed care facilities,
- the Chief Administration Officer for the City of Courtney,
- Senior Pesticide Management Officer, Lower Mainland and Vancouver Island Regions.

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Additional notification shall be given to the news directors of at least two media stations (in each of the following categories) that have regularly scheduled news broadcasts and serve the treatment areas as well as adjacent communities:

- locally broadcast AM radio station(s),
- locally broadcast FM radio station(s),
- locally broadcast TV station(s).

The press release shall state the following, or comparable, completed wording:

The recorded information on planned spray dates and times can be obtained 24 hours a day by calling *insert toll-free number here*. The information on planned treatments will become progressively more specific as the spray dates near. Up to date treatment information will be available immediately before, during, and until 1630 hr on each day of spray operations. Information on how concerned citizens can address their health concerns regarding spray activities can be obtained 24 hours a day by calling *insert toll-free number here*.

- E. Prior to any pesticide use, the Senior Pesticide Management Officer, Lower Mainland and Vancouver Island Regions shall be given written notification of the name, licence number and valid British Columbia Pesticide Applicator Certificate numbers of any contractors applying pesticides under this permit. Any pilot that will be directly involved in aerial based pesticide applications shall possess a valid pesticide applicators certificate.
- F. All personnel involved in the project shall be notified of the terms and conditions of the permit, and any permit amendments, prior to pesticide use.

Authorized Pesticides

- G. The pesticide listed below is approved for use under the terms of this permit. Application rates indicated are maximums per application. Lower rates must be used where project objectives may still be achieved.

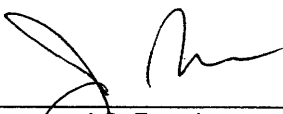
Trade Name	Active Ingredient (a.i.)	Product P.C.P. #.	Application Rate (litres/ha per each of 3 uses)	Total area of pesticide Use (ha.)	Total Quantity of Product to be used (litres)
Foray 48B	Bacillus thuringiensis var. kurstaki	24977*	4.0 (50 BIU/ha)	210	2520

*The Foray 48B product identified above is currently in the registration renewal process. Prior to any use, the permit holder shall confirm with the Pest Management Regulatory Agency and the Senior Pesticide Management Officer, Lower Mainland and Vancouver Island Regions the product is still available and appropriate for the permit conditions and intended use.

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Target Pest Species, Treatment Area and Purpose

- H. Aerial pesticide use is permitted on or over lands that are within the boundaries delineated on the map accompanying this permit where permission has been granted by the land owner or land holder.
- I. Pesticide use shall be for the purpose of eradicating the introduced population of the Gypsy Moth (*Lymantria dispar*) from the locations referred to in Condition I above.

Monitoring

- J. The permittee shall use Kromecote cards, or similar monitoring devices, to determine the uniformity of coverage of the spray treatment and spray drift into the identified zones of major spray drift deposition. Upon completion, the monitoring results shall be submitted to the Senior Pesticide Management Officer, Lower Mainland and Vancouver Island Regions.

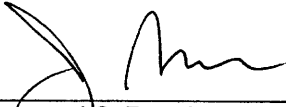
Restrictions

- K. Pesticides shall not be applied in areas where wind speeds are greater than 8 km/hr. Application equipment and droplet size shall be selected to minimise drift while still achieving the primary treatment objective of Gypsy Moth eradication.
- L. Aerial applications shall be conducted in the daylight morning hours and shall be completed on or before 0730 hours.
- M. At all times during aerial operations, the pilot(s) must be in continuous radio contact with ground-based personnel that are familiar with the permit and treatment area(s).
- N. A maximum of three aerial and/or ground-based treatments may be applied to any given area.
- O. All spray equipment shall be properly calibrated prior to use.
- P. All pesticide products and application equipment used shall be maintained in secure conditions that prevent tampering or the introduction of spray contaminants.
- Q. The permit holder must comply with all applicable provisions under the *Integrated Pest Management Act*.

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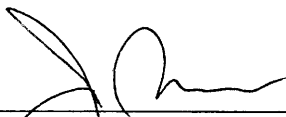
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Reporting

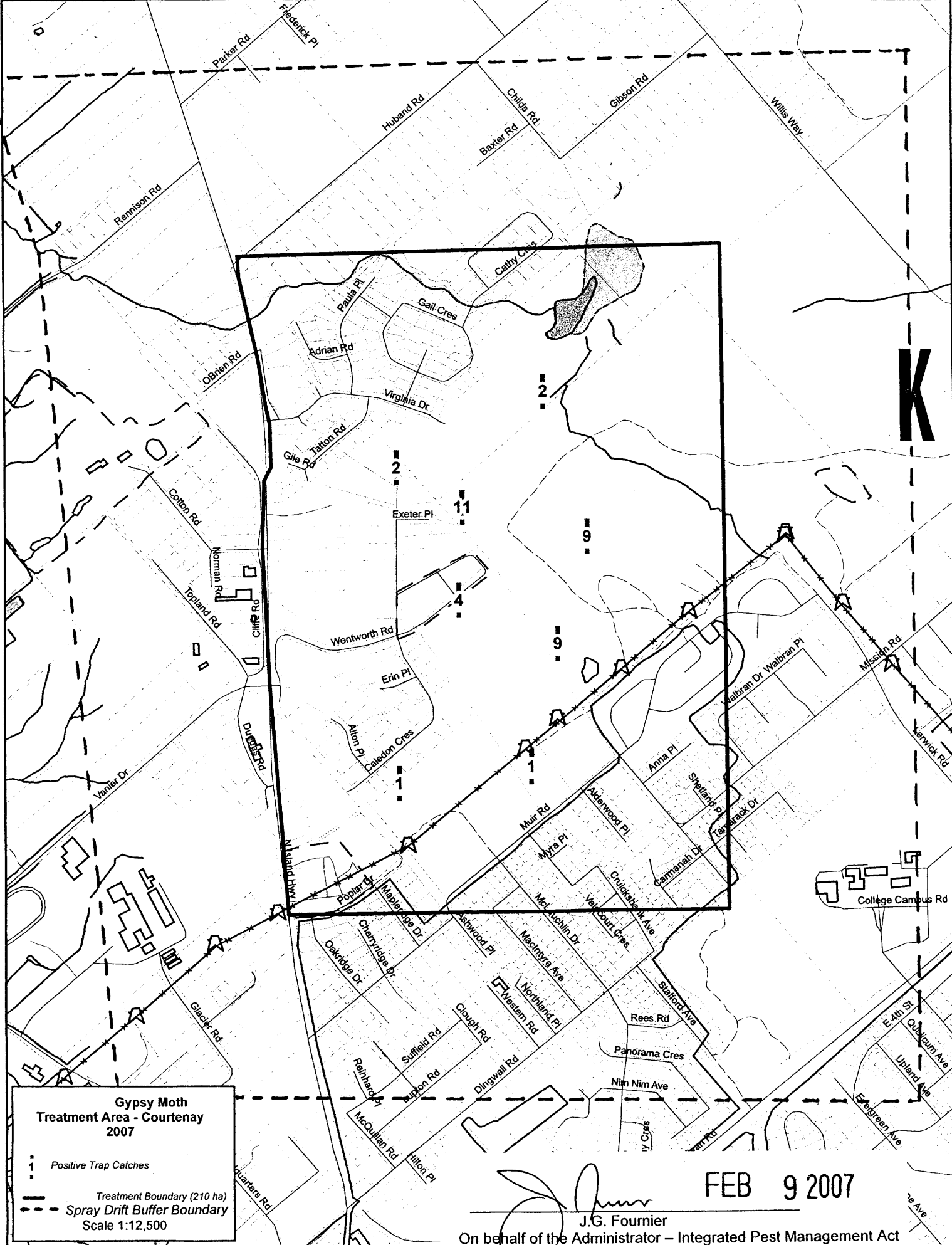
- R. Follow-up reports shall be provided to the Senior Pesticide Management Officer, Lower Mainland and Vancouver Island Regions on or before December 31, 2007. The reports shall include the quantities of pesticides used, the area treated (ha), a description of the timing of treatments, treatment efficacy information based on monitoring trap catches, all pertinent maps and recommended follow-up activities for the treatment area.
- S. Pesticide spills that result in impacts not authorized by or consistent with this permit, shall be immediately reported to the Provincial Emergency Program at 1-800-663-3456. Spill affected areas shall be immediately cleaned-up and decontaminated. The Senior Pesticide Management Officer, Lower Mainland and Vancouver Island Regions shall be provided with reports on the spill, clean-up activities and decontamination actions as soon as practicable.
- T. Permit non-compliance that results in impacts not consistent with the intent of this permit shall be reported to the Senior Pesticide Management Officer, Lower Mainland and Vancouver Island Regions within 48 hours of the infraction's discovery. Actions, to the satisfaction of the Senior Pesticide Management Officer, Lower Mainland and Vancouver Island Regions may be required to evaluate the potential impact of the non-compliance on human health and/or the environment.

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**Gypsy Moth
Treatment Area - Courtenay
2007**

1 Positive Trap Catches
 — Treatment Boundary (210 ha)
 - - - Spray Drift Buffer Boundary
 Scale 1:12,500


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