



Date: February 16, 2015

PUP No. 738-0025-2015/2015

REGISTERED MAIL

British Columbia Minister of Forests, Lands and Natural Resource Operations
P.O. Box 9049 Stn. Prov. Govt.
Victoria, B.C. V8W 9E2

Dear Permit Holder:

Enclosed is Pesticide Use Permit No. **738-0025-2015/2015** that issued under the provisions of the *Integrated Pest Management Act*. Your attention is respectfully directed to the conditions of the permit that must be complied with.

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 permit holder. It is also the responsibility of the permit holder to ensure that all activities conducted under this permit are carried out with due regard to the rights of third parties, and comply with other applicable legislation that may be in force.

This decision may be appealed in accordance with Section 14 of the *Integrated Pest Management Act*. Notice of the appeal must (1) be in writing, (2) include the grounds for appeal, (3) be sent by registered mail to PO Box 9425 Stn. Prov. Govt, Victoria, BC, V8W 9V1 or personally delivered to the Chair, Environmental Appeal Board, Fourth Floor, 747 Fort Street, Victoria, British Columbia, V8W 3E9, (4) be delivered within 30 days from the date of the decision, and (5) be accompanied by a fee of \$25.00, payable to the Minister of Finance and Corporate Relations.

Administration of this permit will be carried out by staff from our regional office located at 10470 - 152nd Street, Surrey, British Columbia, V3R 0Y3. If you have any questions please call me at 582-5261.

Yours truly,



Jeff Fournier

On behalf of the Administrator, *Integrated Pest Management Act*

Attachments



MINISTRY OF ENVIRONMENT
PESTICIDE USE PERMIT
No. 738-0025-2015/2015

Pursuant to Section 6 of the Integrated Pest Management Act

British Columbia Minister of Forests, Lands and Natural Resource Operations
P.O. Box 9049 Stn. Prov.Govt.
Victoria, B.C. V8W 9E2

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.

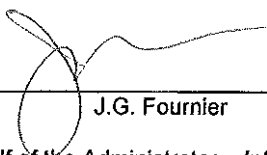
Treatment Dates

- A. The pesticide use described herein may be conducted on or between April 15, 2015 and June 30, 2015 when the permit expires.

Notifications

- B. Within 7 days of permit issuance, the permit holder shall post a copy of the permit with relevant maps at the Ministry of Forests, Lands and Natural Resource Operations – Resource Protection Branch in Victoria, on that ministry’s web site and at the municipal halls for the cities of Surrey and Delta. The posting shall be accessible for inspection and copying by the public during, at least, normal business hours. 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 least one community newspaper circulated within the treatment area. 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 of the treatment area and primary zone of spray drift deposition,

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On behalf of the Administrator – *Integrated Pest Management Act*

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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 a minimum of one community newspaper circulated within the treatment area and primary zone of spray drift deposition. 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 four spray applications will take place at about ten day intervals until June 30, 2015. 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 representatives are to be directly notified:

- the Medical Health Officer for the Fraser Health Authority,
- the Principals of all schools within the treatment area and primary zone of spray drift deposition,
- the owners or managers of any licensed care facilities within the authorized spray area and primary zone of spray drift deposition,
- the holders of known surface intakes for domestic and agricultural water uses, within the treatment area and primary zone of spray drift deposition,
- the Mayors of the Cities of Surrey and Delta, and,
- the Senior Pesticide Management Officer, BC Ministry of Environment, Surrey B.C. (the Senior Pesticide Management Officer).

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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 notification provided to radio and TV stations identified above shall contain the following, or comparable, wording:

Recorded information on gypsy moth 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. All available information on public health concerns raised and addressed through the above mentioned health lines shall be recorded and reported on within 15 days of each period of pesticide use. A final report summarizing all collected information shall be submitted, to the satisfaction of the Senior Pesticide Management Officer, within 30 days of the last day of pesticide use.
- F. The permittee shall develop, maintain and implement a location-specific plan for communicating details to the public, relevant health authorities, government agencies and local government regarding the proposed and completed pesticide uses. Such information shall be readily available on an internet web site.
- G. Prior to any pesticide use, the Senior Pesticide Management Officer 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 applicator certificate.
- H. 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.

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Authorized Pesticides

- I. 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. No.	Application Rate (litres/ha per each uses)	Maximum no. of Applications for each area of use.	Maximum Area of Pesticide Use per Application (ha.)	Maximum Quantity of Product Use per Application (litres)
Foray 48B	Bacillus thuringiensis var. kurstaki	24977	4.0 (50 BIU/ha)	4	4,780	19,120

Target Pest Species, Treatment Area and Purpose

- J. Aerial pesticide use is permitted on or over lands that are within the treatment boundaries delineated on the map accompanying this permit where permission has been granted by the land owner, the land holder, an Order In Council or other legal instrument.
- K. Pesticide use shall be for the purpose of eradicating the introduced populations of the Gypsy Moth (*Lymantria dispar*) from the treatment locations shown in the attached maps.

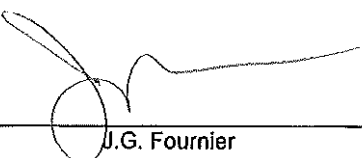
Monitoring

- L. During the periods of pesticide use, both roof and ground-level wind speed monitoring shall be recorded within each of the permitted areas to ensure compliance with permit restrictions.
- M. The permittee shall use spray monitoring devices, to determine the uniformity of coverage of the spray treatment and to help ensure that spray drift is concentrated within the primary zone of spray drift deposition. Upon completion, the monitoring results shall be submitted to the Senior Pesticide Management Officer.

Restrictions

- N. The permittee shall take steps, to the satisfaction of the Senior Pesticide Management Officer, to mitigate spray related impacts on any population(s) of pesticide-sensitive rare and endangered species found to exist within the treatment area and the primary zone of spray drift deposition.

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- O. 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.
- P. Aerial applications shall be conducted in the daylight morning hours and shall be completed on or before 0730 hours.
- Q. 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).
- R. A maximum of four aerial and/or ground-based treatments may be applied to any given area.
- S. All spray equipment shall be properly calibrated prior to use.
- T. All pesticide products and application equipment used shall be maintained in secure conditions that prevent tampering or the introduction of spray contaminants.
- U. The permit holder must comply with all applicable provisions under the *Integrated Pest Management Act*.

Reporting

- V. Follow-up reports shall be provided to the Senior Pesticide Management Officer on or before December 31, 2015. The reports shall include the quantities of pesticides used, the area treated (ha), a description of the timing of treatments, pesticide treatment efficacy information based on monitoring trap catches, all pertinent maps and recommended follow-up activities for the treatment area.
- W. 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 shall be provided with reports on the spill, clean-up activities and decontamination actions as soon as practicable.
- X. Permit non-compliance that results in impacts not consistent with the intent of this permit shall be reported to the Senior Pesticide Management Officer within 48 hours of the infraction's discovery. Actions, to the satisfaction of the Senior Pesticide Management Officer may be required to evaluate the potential impact of the non-compliance on human health and/or the environment.

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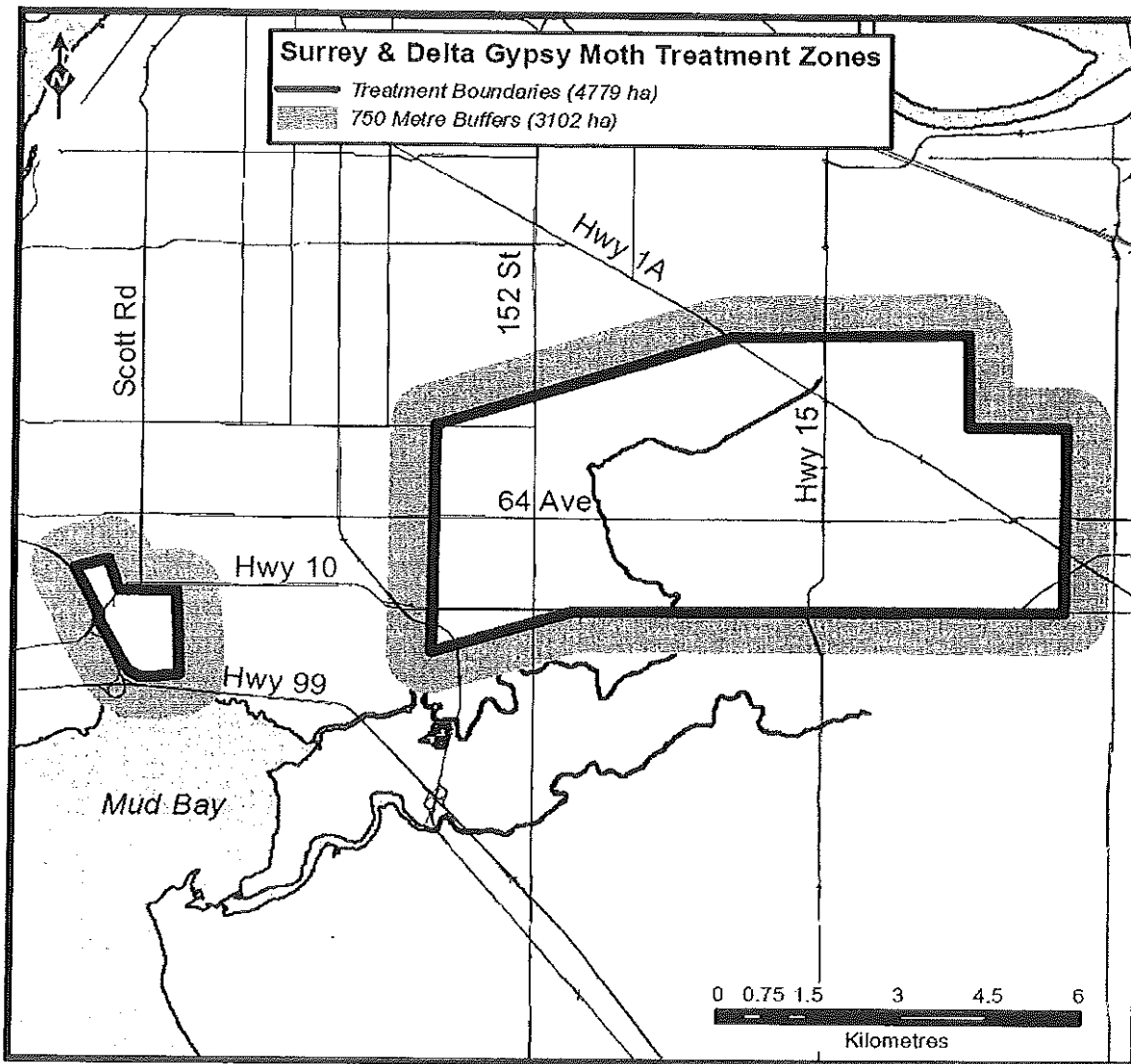


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SITE LOCATION MAP (Overview)



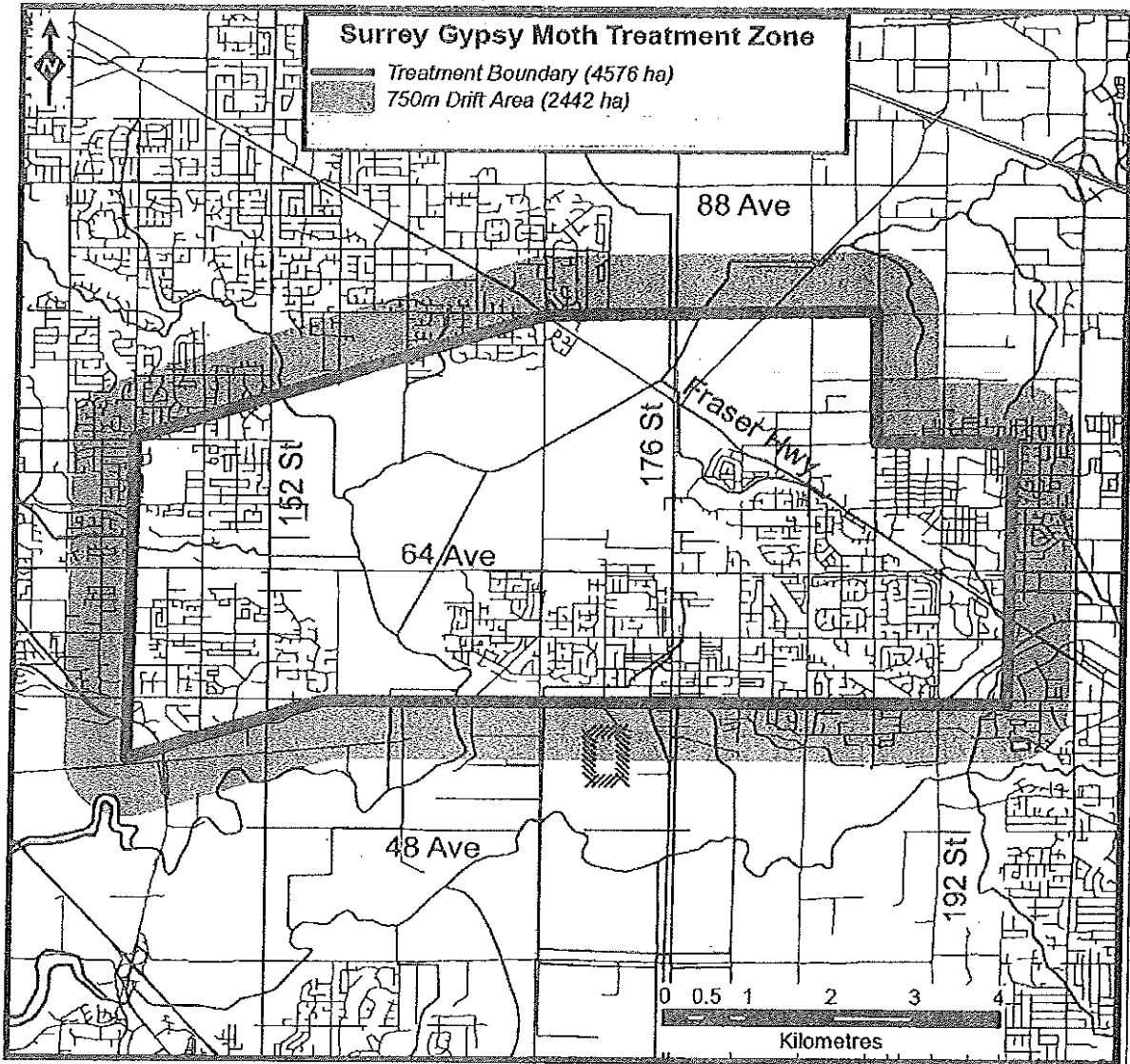
— Treatment Boundaries (4779 ha)
750 Metre Buffers (3102 ha)

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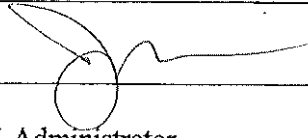
SITE LOCATION MAP (Detailed)



Legend:

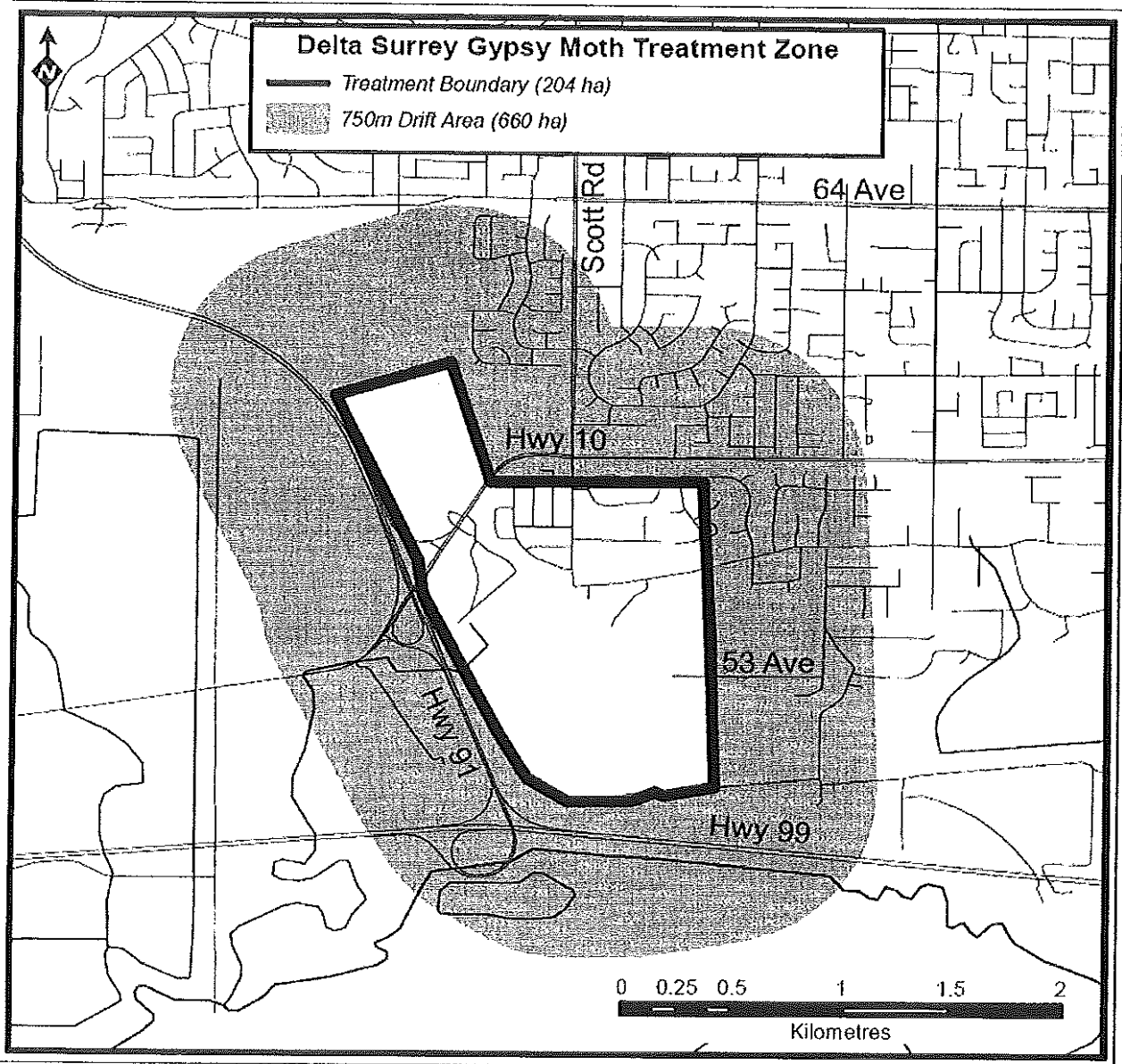
-  Treatment Boundary (4576 ha)
-  750m Drift Area (2442 ha)

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SITE LOCATION MAP (Detailed)



Legend:

- Treatment Boundary (204 ha)
- 750m Drift Area (660 ha)

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