Date: June 5, 2019

PUP No. 738-0028-18/21

VIA EMAIL AND MAIL

Attn: Becky Brown, Invasive Plant Specialist

Ministry of Forests, Lands, and Natural Resource Operations & Rural Development
3rd Floor - 2080 Labieux Road,
Nanaimo, BC
V9T 6E9

Dear Permit Holder:

In response to your application dated March 6, 2019, enclosed is Pesticide Use Permit No. 738-0028-18/21 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.

It is 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 - including, but not limited to, using pesticide only for the use described on the label and in accordance with the instructions on that label.

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 102 Industrial Place, Penticton, British Columbia, V2A 7C8. If you have any questions please call me at (250) 490-8257.

Yours truly,

Andreas Wins-Purdy, P. Ag.
Integrated Pest Management Section Head
On behalf of the Administrator, Integrated Pest Management Act

Attachments
MINISTRY OF ENVIRONMENT & CLIMATE CHANGE STRATEGY

PESTICIDE USE PERMIT
No. 738-0028-18-21

Pursuant to Section 6 of the Integrated Pest Management Act

British Columbia Minister of Forests, Lands, and Natural Resource Operations & Rural Development
3rd Floor – 2080 Labieux Road
Nanaimo BC, V9T 6J9

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.

Purpose of the Permit

1. Pesticide use shall be for the purpose of controlling Bohemian (Fallopis x bohemica), Japanese (Fallopia japonica), and Giant knotweed (Reynoutria sachalinensis) using the herbicide Roundup WeatherMAX (P.C.P. number 27487, active ingredient glyphosate) within:
   a. The area between water’s edge and the high water mark, and
   b. The area between the high water mark and one-metre above the high water mark

   along the entire shoreline of Victoria Lake (approximately 44 kilometers), including the shoreline of any islands within Victoria Lake, as depicted by the red line on Map 1, and a small area on the west side of Victoria lake (1.74 ha) along a Neucel utility right-of-way (represented by the yellow shaded area on Map 2). Current infested areas of approximately 4.5 ha in total are depicted in Maps 2 and 3 – additional shoreline areas are authorized for treatment should new infestation sites be discovered.

Treatment Dates

2. The pesticide use described herein may be conducted from 7 (seven) days after the date of publication of the permit as described in Condition 4 until the permit expires on June 5th, 2022.

Notifications

3. To allow inspection by the public, within seven days of permit issuance, the permit holder shall post a copy of the permit with relevant maps at Ministry of Forests, Lands, and Natural Resource Operations & Rural Development, 2080 Labieux Road, Nanaimo, British Columbia, V9T 6J9, and on the FLNRO “Invasive Plant Program” website. 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 application activities under the permit have ceased.

4. Within 15 days of issuance of the permit, the permit holder 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.
   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 the public can contact the permit holder to obtain any permitted pesticide use and related integrated pest management information

5. The permit holder shall also conduct any additional notification agreed upon during the consultation process in the manner agreed upon with the parties to be notified.

6. 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**

7. The pesticides listed below are approved for use under the terms of this permit:

<table>
<thead>
<tr>
<th>Trade Name</th>
<th>Active Ingredient (a.i.)</th>
<th>Product P.C.P. #.</th>
<th>Application Rate</th>
<th>Maximum area of Pesticide Use per year (ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roundup WeatherMAX</td>
<td>Glyphosate</td>
<td>27487</td>
<td>Foliar spray: 3.24 kg a.i./ha</td>
<td>4.5 ha</td>
</tr>
<tr>
<td>Roundup WeatherMAX</td>
<td>Glyphosate</td>
<td>27487</td>
<td>Stem injection: 5ml undiluted/stem (4.32 kg a.i./ha)</td>
<td></td>
</tr>
</tbody>
</table>
Target Pest Species and Treatment Area

8. Pesticide use shall be for the sole purpose of eradicating Japanese knotweed (*Fallopia japonica*), Bohemian knotweed (*Fallopia x bohemica*) and Giant knotweed (*Reynoutria sachalinensis*) in the locations identified on the map accompanying this permit.

9. This Permit authorizes the permit holder, under Section 18(2)(b) of the *Integrated Pest Management Act* Regulation, to use the pesticide within the area between the water’s edge and the high water mark along the shoreline of Victoria Lake and associated islands as shown on the attached map.

10. This permit authorizes the permit holder, under Section 18(3) of the *Integrated Pest Management Act* Regulation, to use the pesticide within the area between the high water mark and one-metre above the high water mark along the shoreline of Victoria Lake area as an exemption from the requirements under the Pesticide Use Notice Confirmation Number 402-0677-19/24 (issued to the Ministry of Forests, Lands and Natural Resource Operations & Rural Development) for the confirmation holder to maintain a Pesticide Free Zone under Section 73 (1) of the *Integrated Pest Management Act* Regulation.

Restrictions

11. Pesticides shall not be applied by foliar spray in areas where wind speeds are greater than 8 km/hr.

12. The permit holder must comply with the requirements of the label for the pesticide being applied.

13. All spray equipment shall be properly calibrated prior to use.

14. All pesticide products and application equipment used shall be maintained in secure conditions that prevent tampering or the introduction of contaminants.

15. All individuals conducting pesticide applications under this permit must hold a valid BC Pesticide Applicator Certificate in the *Industrial Vegetation and Noxious Weeds* category.

16. The permit holder must comply with all applicable provisions under the *Integrated Pest Management Act*.

17. Foliar applications shall make use of drift shielding in the form of a tarp to prevent contact at sites adjacent to the water’s edge. The tarp must be of sufficient size to provide the necessary protective coverage to ensure that any off-target pesticide drift will not come into direct contact with standing water at any time.

18. Foliar applications shall make use of drift shielding in the form of a tarp where there is a risk of contact with sensitive non-target vegetation due to proximity. The tarp must be of sufficient size to provide the necessary protective coverage to ensure that any off-target pesticide drift will not come into direct contact with sensitive non-target vegetation.
19. Off-target pesticide drift must not come into direct contact with standing water at any time.

20. Pesticide application will only occur during the dry season between the dates of June 15th to September 15th of each calendar year, when water levels are not expected to rise for an extended period following pesticide application.

**Reporting and Record Keeping**

21. For each treatment location and day of pesticide use under this permit, the permit holder must keep a record containing the following information:

   a) the name and address of the owner of manager of the treatment location
   b) if the use was performed as a service, the name and license number of the licensee who performed the service
   c) if the use was not performed as a service, the name and certificate number of the pesticide applicator certificate holder who used the pesticide
   d) the date and time of the pesticide use
   e) the name of the pest targeted by the use or the purpose of the pesticide use
   f) the trade name of each pesticide used and its registration number under the federal Act
   g) for each pesticide used, the method and rate of application and the total quantity used
   h) the prevailing meteorological conditions including temperature, precipitation, and velocity and direction of the wind

22. All treatments conducted shall be entered into the Invasive Alien Plant Program (IAPP) application as per the standard procedure established in Pesticide Use Notice Confirmation number 402-0677-19/24.

23. An annual report for each calendar year of pesticide use shall be submitted by email to ipmreporting@gov.bc.ca by January 31st of the following calendar year. The report shall include:

   a) the total quantity of pesticide used and total area treated for each of the three application methods
   b) a description of the timing of treatments
   c) pesticide treatment efficacy information
   d) any observed or reported impacts on non-target organisms
   e) all pertinent maps and a summary of recommended follow-up activities for the treatment area

24. 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. Areas affected by spills shall be cleaned-up and decontaminated immediately. The Integrated Pest Management Section Head shall be provided with reports on spills, clean-up activities and decontamination actions as soon as practicable.
25. Permit non-compliance that results in impacts not consistent with the intent of this permit shall be reported to the Integrated Pest Management Section Head and to ipmreporting@gov.bc.ca within 48 hours of the infraction’s discovery. Further action taken, to the satisfaction of the Integrated Pest Management Section Head, may be required to evaluate the potential impact of the non-compliance on human health and/or the environment.
Map 1: General Location Map – Victoria Lake. The two yellow stars indicate the areas of current knotweed infestation. The yellow star in the middle of the lake represents the current infestation located on the west side of the lake at the end of the Neucel utility right-of-way (see enlargement on Map 2 below), and the yellow star at the top of the map indicates the current infestation at the North end of the lake (see enlargement on Map 3 below).
Map 2: Current infestation on the west shoreline of Victoria Lake.
Map 3: Current infestation on the North shoreline of Victoria Lake.