



MINISTRY OF ENVIRONMENT AND CLIMATE CHANGE STRATEGY

PESTICIDE USE PERMIT

No. 233-0024-24-26

Pursuant to Section 6 of the Integrated Pest Management Act

District of Mackenzie
#1 Mackenzie Boulevard, Bag 340
Mackenzie, BC V0J 2C0

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.

1. Authorized Pesticide Use

Pesticide use must be for the purpose of larval black fly control (family Simuliidae) from the portion of Morfee Creek downstream from Morfee Lake to Williston Lake Reservoir within the District of Mackenzie as shown in Maps 1 and 2.

- 1.1 The authorized pesticide is VectoBac 1200L, P.C.P No. 21062, active ingredient: *Bacillus thuringiensis* subsp. *israelensis* at a rate of 0.5 to 25 ppm.
- 1.2 The authorized methods of application are:
 - (a) calibrated hollow drip bar suspended across Morfee Creek approximately 20 m downstream of the outflow of Morfee Lake, or
 - (b) slow steady pour using a stream bank to stream bank application pattern.
- 1.3 A maximum of 120 L of VectoBac 1200L per year is permitted.
- 1.4 The maximum treatment area per application must not exceed 2.7 ha.

2. Treatment dates

- 2.1 The permit holder is authorized to conduct the authorized pesticide use from 10 days after the date of publication of the permit as described in Condition 3.1 until the permit expires

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



on September 30, 2026.

3. Access to Permit Information

- 3.1 To allow inspection and copying by the public, within seven days of permit issuance, the permit holder must post a copy of the permit:
- (a) on the District of Mackenzie website; and
 - (b) at the District of Mackenzie municipal office located at #1 Mackenzie Boulevard, Mackenzie, BC.
- 3.2 The posted permit and maps must remain at the location specified in Condition 3.1 until seven days after the permit has expired.

4. Notification

- 4.1 Within 15 days of issuance of the permit, the permit holder must publish a notice that complies with Condition 4.2 in at least one community newspaper circulated within the treatment area.
- 4.2 A notice for the purpose of Condition 4.1 must contain the following information:
- (a) the name, address and telephone number of the permit holder;
 - (b) the permit number;
 - (c) the purpose of pesticide use;
 - (d) the trade name, P.C.P. No. and the active ingredient of the pesticide to be used;
 - (e) the method of application;
 - (f) a map showing the location of the treatment area;
 - (g) the date of project commencement and completion;
 - (h) information on where copies of the permit and maps of the treatment area may be examined; and
 - (i) information on how and when the public can contact the permit holder to obtain information on the pesticide use.
- 4.3 The permit holder must conduct any additional notification agreed upon during the

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consultation process in the manner agreed upon with the parties to be notified.

5. Monitoring

- 5.1 The permit holder must follow the procedures outlined in the “District of Mackenzie Black Fly Control Program 2024 – 2026” document (Duka Environmental Services Ltd., November 11, 2023 or most current version) for correctly identifying black fly larvae and monitoring populations.
- 5.2 Before each pesticide treatment, the permit holder must monitor black fly populations as outlined in Condition 5.1 to determine treatment timing.
- 5.3 After each pesticide treatment, the permit holder must monitor black fly populations as outlined in Condition 5.1 to determine the effectiveness of the treatment.
- 5.4 During the periods of pesticide use, the permit holder must ensure that wind speed is monitored using an appropriate anemometer within the permitted area.

6. Restrictions

- 6.1 The permit holder must comply with all applicable provisions under the *Integrated Pest Management Act*.
- 6.2 The permit holder must comply with the requirements of the label for the pesticide being applied.
- 6.3 The permit holder must maintain and implement the location-specific treatment plan submitted on November 11, 2023. Should there be any discrepancy between the treatment plan and clauses in this permit, the permit shall prevail.
- 6.4 All personnel involved in the project must be informed of the terms and conditions of the permit and any permit amendments prior to pesticide use.
- 6.5 All application equipment must be properly calibrated prior to use.
- 6.6 All pesticide products and application equipment used must be maintained in secure conditions that prevent tampering or the introduction of contaminants.
- 6.7 Any contractor used for conducting the pesticide applications must possess a valid BC pesticide use service licence which includes the Mosquito and Biting Fly category.

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- 6.8 All individuals conducting the pesticide applications must possess a valid BC pesticide applicator certificate in the Mosquito and Biting Fly category.
- 6.9 Pesticides must not be applied in areas where wind speeds are greater than 8 km/hr.
- 6.10 Areas affected by pesticide spills that result in impacts not authorized by or consistent with this permit must immediately be evaluated and cleaned-up or decontaminated as appropriate.

7. Record Keeping and Reporting

- 7.1 For each treatment location and day of pesticide use under this permit, the permit holder must keep a record containing the following information:
- (a) if the use was performed as a service, the name and license number of the licensee who performed the service;
 - (b) if the use was not performed as a service, the name and certificate number of the pesticide applicator certificate holder who used the pesticide;
 - (c) the date and time of the pesticide use;
 - (d) the treatment location;
 - (e) the name of the pest targeted by the use or the purpose of the pesticide use;
 - (f) the trade name of the pesticide used and its registration number under the federal Act;
 - (g) the method and rate of application and the total quantity used;
 - (h) the prevailing meteorological conditions, including temperature, precipitation, and speed and direction of the wind;
 - (i) the efficacy results from post-treatment monitoring; and
 - (j) any observations of non-target effects resulting from the pesticide use.
- 7.2 All records required under this permit must be retained for a period of 3 years after pesticide use and must be provided to an IPM Officer upon request.
- 7.3 The permit holder must prepare and submit a summary report for each calendar year to ipmreporting@gov.bc.ca by January 31 of the next calendar year. The first report is due January 31, 2025. The summary report must include:
- (a) the name and address of the permit holder;

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- (b) the trade name, P.C.P. No., active ingredient, and quantity (in L) of pesticide used per application and the total quantity (in L) of pesticide used;
 - (c) the area treated (in ha);
 - (d) a description of the timing of treatments;
 - (e) the pesticide treatment efficacy based on monitoring data;
 - (f) any observed or reported impacts on non-target organisms; and
 - (g) all pertinent maps and recommended follow-up activities for the treatment area.
- 7.4 Pesticide spills that result in impacts not authorized by or consistent with this permit must be immediately reported to the Provincial Emergency Program at 1-800-663-3456.
- 7.5 If a pesticide spill results in impacts not authorized by or consistent with this permit, as soon as practicable, the permit holder must submit a report on the spill and activities undertaken under Condition 6.10 to environmentalcompliance@gov.bc.ca.
- 7.6 Permit non-compliance that results in impacts not consistent with the intent of this permit must be reported to environmentalcompliance@gov.bc.ca within 48 hours of the infraction's discovery. Further action taken, to the satisfaction of the Administrator, may be required to evaluate the potential impact of the non-compliance and on human health and/or the environment.

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