

To: Regional and Corporate Services Committee  
From: Lance Lilley, Environmental Planner

Date: 2019-01-09  
File No: 9850-25-2019

**Subject: Nuisance Mosquito Control Pest Management Plan**

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## INTENT

This report is intended to advise the Fraser Valley Regional District Board of information pertaining to the FVRD's Nuisance Mosquito Control Program. Staff are not looking for a recommendation and has forwarded this information should members want more clarification or to discuss the item further.

## STRATEGIC AREA(S) OF FOCUS

Support Healthy & Sustainable Community  
Provide Responsive & Effective Public Services  
Support Environmental Stewardship

## PRIORITIES

Priority #4 Tourism  
Priority #5 Outdoor Recreation  
Priority #3 Flood Protection & Management

## BACKGROUND

The FVRD's Nuisance Mosquito Control Program operates under a five-year Pest Management Plan (PMP), as required by the Province's *Integrated Pest Management Act*. The PMP identifies where the FVRD can apply mosquito control treatment, the type of pesticide products permitted and how they can be used, monitoring requirements, and safety protocols. A new PMP is required for 2019-2024. The plan has been drafted (attached) and a consultation process is underway. The PMP does not differ significantly from prior PMPs and it will not result in substantive changes to the FVRD's Nuisance Mosquito Control Program operations.

## DISCUSSION

The FVRD is required to have "confirmation" from the Province permitting the use of pesticides to treat mosquito larvae, even for a pesticide that is target-specific, non-residual, and harmful only to mosquito larvae, such as *Bacillus thuringiensis* (Bti) used in the FVRD's mosquito control program. In order to receive confirmation, a Pesticide Use Notice must be submitted and a PMP be prepared that is based on the principles of integrated pest management incorporating the following key components:

- A strategy that will be used to prevent organisms from becoming pests;
- The process that will be used to accurately identify pests targeted by the plan;
- A description of the monitoring program that will be implemented;
- The process for deciding when pesticide treatment is to be conducted;
- A description of the treatment methods that will be employed; and

- A method for evaluating effectiveness of the treatments.

Each of these components is described within the draft PMP. As required under the legislation, the PMP must also go through a prescribed consultation process prior to applying for the confirmation. As part of this process, the draft PMP has been distributed to key land managers and agencies within the affected area (e.g., Fisheries and Oceans Canada, Environment Canada, BC Hydro, Fraser Health, etc.) to allow for questions or comments. Ads were inserted into all local newspapers about the PMP. And copies of the plan were distributed to First Nations within the affected area, either via email, regular mail, or through the People of the River Referrals Office's web portal.

Following completion of the consultation process in mid-January, the draft PMP will be revised, if necessary based upon the comments received, and a Consultation Report will be prepared for the Province. This will get submitted to the Province, along with a Pesticide Use Notice application and the application fee so as to receive confirmation prior to this year's nuisance mosquito control. This confirmation will be valid from 2019 to 2024.

In addition to the PMP, a procurement process is also underway seeking proposals from qualified proponents for mosquito control operations. The FVRD's contract with the prior contractor, Morrow BioScience Ltd., expired at the end of 2018. A contract for the selected proponent will be brought forward for the Board's approval in February or March, 2019 so as to have the contractor in place in time for the 2019 nuisance mosquito control season.

## **COST**

The cost associated with a Pesticide Use Notice application (\$2000), plus newspaper advertising on the PMP consultation (\$4400) is approximately \$6400. The cost associated with a new contract required for the 2019 treatment season remains outstanding pending completion of the procurement process.

## **COMMENTS BY:**

### **Barclay Pitkethly, Director of Regional Programs**

Reviewed and supported.

### **Mike Veenbaas, Director of Financial Services**

Reviewed and supported.

### **Paul Gipps, Chief Administrative Officer**

Reviewed and supported