

# PESTICIDE DISCHARGE MANAGEMENT PLAN

for:

## City of La Pine, Oregon

(Mosquito Control Project)

La Pine, Oregon

### Decision-maker(s):

City of La Pine  
Geoff Wullschlager, City Manager  
16345 6<sup>th</sup> Street, P.O. Box 3055  
La Pine, Oregon 97739  
(541) 536-1432  
[gwullschlager@lapineoregon.gov](mailto:gwullschlager@lapineoregon.gov)

City of La Pine  
Jacob Obrist, Public Works Director  
16345 6<sup>th</sup> Street, P.O. Box 3055  
La Pine, Oregon 97739  
(541) 419-5625  
[JObrist@ci.la-pine.or.us](mailto:JObrist@ci.la-pine.or.us)

### Applicator/Monitor/Preparer:

Three Rivers Mosquito and Vector Control  
Edward S. Horvath, Director/Vector Ecologist  
651 Market Street  
Klamath Falls, Oregon 97601-6252  
(541) 238-2272  
[ehorvath@trmvc.com](mailto:ehorvath@trmvc.com)

### PDMP Contact(s):

Three Rivers Mosquito and Vector Control  
Edward S. Horvath, Director/Vector Ecologist  
651 Market Street  
Klamath Falls, Oregon 97601-6252  
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Three Rivers Mosquito and Vector Control  
Danta M. Smith, Office MGR/Licensed Applicator  
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Klamath Falls, Oregon 97601-6252  
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### PMPD Preparation Dates:

01/15/2015

Rev: 10/02/2015  
Rev: 06/30/2016  
Rev: 01/15/2020  
Rev: 03/27/2022

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## Operator Information

**Notes:**

Definitions and instructions are provided in the Oregon Department of Environmental Qualities General Permit 2300A (Attachment B).

1. Provide a brief description of the Pest Management Area(s).

The control of mosquitoes will be within the political boundaries of the City of La Pine, Oregon.

2. Identify the Pesticide Use Patterns for this Pest Management Area that trigger the requirement to develop a Pesticide Discharge Management Plan. (check all that apply). Note: Decision-makers, that are a large entity, are required to develop a PDMP if they are required to submit an NOI. See Part 5.0 of the PGP for exceptions.

- |   |   |
|---|---|
| a. <input checked="" type="checkbox"/> Mosquitoes and Other Flying Insect Pests | c. <input type="checkbox"/> Animal Pests        |
| b. <input type="checkbox"/> Weeds and Algae                                     | d. <input type="checkbox"/> Forest Canopy Pests |

3. Operator Type (check one):

- |  |
|--|
| a. <input type="checkbox"/> Federal Government   |
| b. <input type="checkbox"/> State Government   |
| c. <input checked="" type="checkbox"/> Local Government  |
| d. <input type="checkbox"/> Mosquito control district (or similar)                                     |
| e. <input type="checkbox"/> Irrigation control district (or similar)                                   |
| f. <input type="checkbox"/> Weed control district (or similar)   |
| g. <input checked="" type="checkbox"/> Other: If other, provide brief description of type of Operator: |

The City of La Pine outsources the application operations to a Three Rivers Mosquito and Vector Control, a private company.

## SECTION A: PDMP Team

1. **Decision-maker:** *Any entity with control over the decision to perform pesticide applications including the ability to modify those decisions.*

Organization Name: [City of La Pine, Oregon](#)

Name: [Geoff Wullschlager, City Manager](#)

Address: [16345 6<sup>th</sup> Street, P.O. Box 3055](#)

City, State, Zip Code: [La Pine, Oregon 97739](#)

Telephone Number: [\(541\) 536-1432](#)

Email address: [gwullschlager@lapineoregon.gov](mailto:gwullschlager@lapineoregon.gov)

Fax number: [\(541\) 536-1462](#)

Area of Control (if more than one Operator at site): [The control of mosquitoes is conducted within the political boundaries of the City of La Pine, Oregon.](#)

2. **PDMP Contact:** *Person(s) who is managing pest management area.*

Company Name: [Three Rivers Mosquito and Vector Control](#)

Name: [Edward S. Horvath](#)

Address: [651 Market Street](#)

City, State, Zip Code: [Klamath Falls, Oregon 9761-6252](#)

Telephone Number: [\(541\) 238-2272](#)

Email address: [ehorvath@trmvc.com](mailto:ehorvath@trmvc.com)

Fax number: [N/A](#)

Area of Control (if more than one Operator at site): [The control of mosquitoes is performed within the political boundaries of the City of La Pine, Oregon.](#)

3. **PDMP Prepared by:** *Person(s) responsible for developing and revising the PDMP.*

Company Name: [Three Rivers Mosquito and Vector Control](#)

Name: [Edward S. Horvath](#)

Address: [651 Market Street](#)

City, State, Zip Code: [Klamath Falls, Oregon 9761-6252](#)

Telephone Number: [\(541\) 238-2272](#)

Email address: [ehorvath@trmvc.com](mailto:ehorvath@trmvc.com)

Fax number: [N/A](#)

Area of Control (if more than one Operator at site): [The control of mosquitoes is performed within the political boundaries of the City of La Pine, Oregon.](#)

4. Please include any additional team members and their responsibilities.

Team Member Name(s)	Individual Responsibilities
<a href="#">Jacob Obrist</a>	<a href="#">Public Works Director, City of La Pine</a>

## SECTION B: Pest Problem Identification

### B.1 Pest Problem Description

1. Provide a brief summary of the pest problem in the table.

#### Summary of Pest Problem

Target Pest(s) <i>Note: Use common name</i>	Source of the pest problem	Data Source
Adult Mosquitoes	Standing water in and near the City of La Pine	Complaints from City Residents and visitors
Mosquito Larvae	Largely produced out of the City limits, adults migrate into the City. Some sources within the City.	Surveys conducted in 2012 - Present

2. Provide a brief description of the pest problem.

Mosquitoes have been a major nuisance for residents and visitor of La Pine, Oregon for many years. As the population of the City has increased, mosquitoes have become more of an issue. The City of La Pine began adult mosquito control several years ago, outsourcing the operations.

Most of the mosquito sources are from outside the City of La Pine's jurisdiction. Some sources have been preliminarily identified within the City's jurisdiction and will be addressed as the project progresses.

### B.2 Action Threshold(s)

1. Provide a brief summary of the action threshold(s) in the table.

#### Summary of Action Threshold(s)

Target Pests	Action Thresholds
Adult Mosquitoes	Action thresholds are addressed in the annual Pesticide Use Plan ( <i>Attachment I</i> )
Mosquito Larvae	Mosquito larvae outside the City limits are not within the jurisdiction of the City. Sources within the City may be treated if justified to reduce adult mosquito populations. Larvae thresholds are discussed in the Annual PUP ( <i>attachment i</i> )

2. Provide a brief description of the action threshold(s).

Pest Management Objective: Reducing mosquito populations to a point that residents are not affected.

Target Pest: Adult Mosquito

Action Threshold: Addressed in the PUP (*Attachment I*)

Basis for the action threshold: Satisfaction of the residents, staff and council

Method to determine when the action threshold has been met: Landing rates and complaints

**B.3 General Location Map**

See *Attachment A*.

**B.4 Water Quality Limited Water**

Waters that may be impaired within Oregon are updated with the Oregon DEQ 303(d) list. Any waters within the City of La Pine that may be added to this list will be protected by maintaining a 100 foot buffer when applying pesticides to control adult mosquitoes.

A current map is provided as Attachment A. Each spring, the contractor will research any newly developed listing that is provided by the DEQ 303(d) list.

## **SECTION C: Pest Management Options Evaluation**

### **C.1 Brief Description of Pest Management Options**

Provide a brief description of the pest management options

*Outlined in the Pesticide Use Plan (PUP) (Attachment I)*

### **C.2 Summary of Pest Management Measures**

Provide a summary of Pest Management Measures that will be or are implemented to meet the technology-based effluent limitations.

*Due to the majority of the mosquito larval sources being outside the jurisdiction of the City of La Pine, most control for adult mosquitoes will be through the use of adulticiding utilizing a permethrin based product. Any larval sources identified within the City jurisdiction will be brought to the attention of the City staff for discussion for feasibility to larvicide.*



## **SECTION D: Schedules and Procedures**

### **D.1 List of proposed Pesticides to be applied.**

Outlined in the Pesticide Use Plan (PUP) (*Attachment I*)

### **D.2 Application Rate and Frequency Procedures.**

Outlined in the Pesticide Use Plan (PUP) (*Attachment I*)

### **D.3 Spill Prevention**

All spill prevention and schedules of maintenance are the responsibility of the City's contractor. The contractor is required to maintain a Spill Prevention and Response Policy and follow the procedures to prevent spills and respond to their spills appropriately. Any reportable spills are immediately reported to the City contact in addition to other contacts within the Spill Prevention and Response Policy.

### **D.3 Pesticide Application Equipment**

The City's contractor is responsible for maintaining their equipment in a safe and responsible manner. Calibrating, maintaining and repairing the equipment is a condition of the Contractor's Scope of Services for the Mosquito Control Services provided.

### **D.5 Pesticide Monitoring**

The City's contractor is responsible for monitoring pesticide applications and the effects on mosquitoes and any non targeted species response. A GPS monitors the location of the ULV fogging trucks and is used to monitor where pesticides are applied. The GPS data is converted into GIS shape files for accurate record keeping.

## **SECTION E: Response Procedures**

### **E.1 Spill Response Procedures**

According to the contractor, Three Rivers Mosquito and Vector Control, all employees are trained annually on spill prevention and response. All spills should be immediately isolated to the smallest possible area.

Large spills are considered to be the accidental discharge of any pesticide in Reportable Quantities as designated pursuant to Section 311 of the Clean Water Act. Generally, all spills are reportable if there is any potential for harm to human health or the environment from the spill, or if the spill occurs in an area frequented by the public. In the instance of a Reportable Spill, technicians will contact 911 to notify Hazmat Unit; contact the City Manager at (541) 536-1432; wear protective clothing as indicated on the pesticide label; isolate the contaminated area and keep people away; and wait for Hazmat Unit to arrive. In the state of Oregon, spills of reportable size will be reported to the Oregon Emergency Response System (OERS) at 800-452-0311

Small spills are generally considered to be the accidental discharge of any pesticide in non-reportable quantities. A spill is typically not reportable when it does not result in pesticide lost to the environment, and there is no threat to air, soil, or water, such as when it occurs on a concrete floor, or in an enclosed area, and can be removed by proper spill clean-up procedures. In these instances, spills will be remediated using the following procedures: Technicians will wear protective clothing indicated on the pesticide label during the entire cleaning process; Isolate the contaminated area and keep people away from the spill; Soak up the spill by spreading an absorbent material (e.g., vermiculite) over the entire spill; Collect all contaminated materials and place them into labeled heavy duty hazardous materials bags for disposal; Clean area with water and detergent and remove residues with additional absorbent material which is placed in labeled hazardous materials bags; Decontaminate the area using chemical wipes and place used wipes in labeled hazardous materials bags; Clean up contaminated vehicles and equipment; Dispose of all contaminated materials in labeled hazardous materials bags.

### **E.2 Spill Response Actions**

#### **1. Risk Assessment**

Evaluate the type of material that was spilled and identify the source. Also assess the significance of the spill and determine whether human health or the environment is threatened. If the spill contains a flammable material, make sure that all ignition sources are turned off. Safety is your number one concern!

#### **2. Inform**

The Manager should be contacted in any spill situation. If it is a small spill that is off site, use the spill kit located in the truck to properly contain and clean the spill. If the spill is a large one, the assistance of management personnel is required and they will notify the proper agencies at that time.

**3. Containment**

Contain the liquid spill using the provided necessary equipment.

**4. Stop the Source**

Close all valves, leaks or seeps where it is possible and safe to do so.

**5. Begin Clean-up**

Use the provided materials and equipment to absorb all spilled liquids and estimate the amount of spilled materials (for reporting purposes.)

**6. Disposal of Used Materials**

Absorbent and cleaning products used on a spill contain whatever they absorb and may be hazardous waste. If this event occurs, dispose of all materials in accordance with local laws. This may involve bagging the material and putting it in a drum, labeling the materials and transporting it to an authorized disposal site.

**7. Decontaminate**

Clean all tools, clothes and reusable materials properly before reuse.

**8. Restock Materials**

Replace all absorbent materials and safety equipment used in any clean-up operation.

The following information may be needed for a spill: date, time, location, responsible party, type and amount of substances released, cause of release, any environmental damage, clean-up actions taken, disposition of clean-up wastes and actions taken to prevent any recurrence.

**Emergency Contact Numbers**

Local Fire Department 911

Oregon State Patrol (541) 523-5867

Deschutes County Sheriff's Department: (541) 536-1758

Also, all MSDS have emergency contact numbers on the individual product that was spilled.

All spills will be reported to the Contracting Manager (541) 880-4791 who will either report the spill to all appropriate agencies personally, or will direct the supervisor on-site to do so. In the state of Oregon, within 5 days of becoming aware of a **spill, leak or other unpermitted discharge of pesticides** to waters of the state an operator must document and retain the following information in response to General Permit 2300A, Schedule A. Condition 3.a.1.:

- a. Information provided to the Oregon Emergency Response System
- b. Summary of corrective action taken or to be take including date the corrective action was started and the date completed or expected to be completed.
- c. Any measures take to prevent the recurrence of such a spill or leak or other unpermitted discharge.
- d. Whether Pesticide Discharge Management Plan (PDMP) modifications are required, if applicable.

### **E.3 Adverse Incident Response Procedures**

As noted above, Three Rivers Mosquito and Vector Control will then immediately notify the appropriate agency/agencies and assist in any investigation or subsequent actions. Additionally, TRMVC will notify the City Manager and the Oregon Emergency Response System at 800-452-0311.

## SECTION F: Supporting Documentation

Include a copy of the documentation in Attachment C

Pesticide Use Plans (PUP) are submitted to the ODFW and ODHS for review and comment. (Attachment I)  
No pesticide applications will be made to Indian Lands.

## SECTION G: PDMP Plan Modifications

Plan modifications will be documented in Attachment F.

## SECTION H: PDMP Availability

This plan will be made available in hard copy at City of La Pine, Oregon, Public Works Department and the office of TRMVC, and during periods where application is scheduled.

## SECTION I: Signature Requirements

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the application of pesticides, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Edward S. Horvath, MPH Title: Director, TRMVC

Signature:  Date: 27 March 2022

Name: Geoff Wullschlager Title: City Manager, City of La Pine, Oregon

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## ATTACHMENTS

Attach the following documentation to the PDMP:

**Attachment A – General Location Maps**

**Attachment B – Pesticide General Permit 2300A**

**Attachment C – Documentation**

**Attachment D – Adverse Incident Reports**

**Attachment E – Corrective Action Logs**

**Attachment F – PDMP Amendment Logs**

**Attachment G – Subcontractor Certifications/Agreements**

**Attachment H – Annual Reports and Other Record Keeping**

**Attachment I – Annual Pesticide Use Plans (PUP)**

## **Attachment A – General Location Maps**

**Attachment B – Pesticide General Permit 2300A**