

PESTICIDE DISCHARGE MANAGEMENT PLAN

for:

Chiloquin Vector Control District

(Mosquito Control)

Chiloquin, Oregon

Decision-maker(s):

Chiloquin Vector Control District
Dennis Jefcoat, Chairman
P.O. Box 860
Chiloquin, Oregon 97624
(541) 783-3307
info@chiloquinmosquito.org

Applicator/Monitor(s):

Three Rivers Mosquito and Vector Control
Edward S. Horvath, Director/Vector Ecologist
651 Market Street
Klamath Falls, Oregon 97601-6252
(541) 238-2272
eshorvath@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
(541) 238-2272
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Danta M. Smith, Office Mgr/Licensed Applicator
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PMPD Preparation Dates:

Original: 01/15/2015

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Rev: 10/15/2017

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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 Chiloquin Vector Control District, 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. Mosquitoes and Other Flying Insect Pests

b. Weeds and Algae

c. Animal Pests

d. Forest Canopy Pests

3. Operator Type (check one):

a. Federal Government

b. State Government

c. Local Government

d. Mosquito control district (or similar)

e. Irrigation control district (or similar)

f. Weed control district (or similar)

g. Other: If other, provide brief description of type of Operator:

The Chiloquin Vector Control District 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: [Chiloquin Vector Control District, Oregon](#)

Name: [Dennis Jefcoat](#)

Address: [P.O. Box 860](#)

City, State, Zip Code: [Chiloquin, Oregon 97624](#)

Telephone Number: [\(541\) 783-3307](#)

Email address: info@chiloquinmosquito.org

Fax number:

Area of Control (if more than one Operator at site): [The control of mosquitoes is conducted within the district boundaries of the Chiloquin Vector Control District, 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 97601-6252](#)

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

Email address: eshorvath@trmvc.com

Fax number: [N/A](#)

Area of Control (if more than one Operator at site): [The control of mosquitoes is performed within the district boundaries of the Chiloquin Vector Control District, 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 97601-6252](#)

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

Email address: eshorvath@trmvc.com

Fax number: [N/A](#)

Area of Control (if more than one Operator at site): [The control of mosquitoes is performed within the District boundaries of the Chiloquin Vector Control District, Oregon.](#)

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

Team Member Name(s)	Individual Responsibilities
Danta M. Smith	Office Manager, TRMVC

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 Chiloquin Vector Control District	Complaints from Residents and visitors
Mosquito Larvae	Large and small areas of standing water, largely created by flood irrigation and snowmelt	Surveys conducted in 2001 - present

2. Provide a brief description of the pest problem.

Mosquitoes have been a major nuisance for residents and visitor of Chiloquin, Oregon for many years. As the population of the area has increased, mosquitoes have become more of an issue. The Chiloquin Vector Control District began adult mosquito control in 1969. Larval control started being phased in in 2002. In 2012, the District outsourced mosquito control operations to reduce the liability of employees of the District.

Most of the mosquito sources are from outside the Chiloquin Vector Control District's jurisdiction. Sources will continue to be added and deleted as needed.

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	Action thresholds are discussed in the Annual PUP (attachment i)

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

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

Target Pest: Adult Mosquito

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

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

Method to determine when the action threshold has been met: Complaints verified by landing rates and trap counts

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 Chiloquin Vector Control District 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 Chiloquin Vector Control District, most control for adult mosquitoes will be through the use of adulticiding utilizing a permethrin based product. Any larval sources identified within the District's jurisdiction will be assessed and larvicides or the source will be modified to prevent mosquitoes from hatching.

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 District'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 District contact in addition to other contacts within the Spill Prevention and Response Policy.

D.3 Pesticide Application Equipment

The District'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 District'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 District's Chairman; 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

Klamath County Sheriff's Department: (541) 883-5130

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 District's Chairman 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 Native Lands without their approval.

SECTION G: PDMP Plan Modifications

Plan modifications will be documented in Attachment F.

SECTION H: PDMP Availability

This plan will be made available for inspection in hard copy at the office of TRMVC.

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: Owner, TRMVC

Signature:  Date: 15 January 2015

Name: Dennis Jefcoat Title: Chairman, Chiloquin Vector Control District

Signature: _____ Date: 15 January 2015

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

Attachment C – Documentation

Attachment D – Adverse Incident Reports

Attachment E – Corrective Action Logs

Attachment F – PDMP Amendment Logs

Amendment No.	Description of the Amendment	Date of Amendment	Amendment Prepared by [Name(s) and Title]
1	Change of Address for Contractor	10/15/2017	Edward S. Horvath, Director

Attachment G – Subcontractor Certifications/Agreements

SUBCONTRACTOR CERTIFICATION PESTICIDE DISCHARGE MANAGEMENT PLAN

Project Number: Chiloquin Vector Control District, Oregon

Project Name: Chiloquin Vector Control District, Oregon

Decision-maker(s): Dennis Jefcoat, Chairman, Chiloquin Vector Control District, Oregon

As a subcontractor, you are required to comply with the Pesticide Discharge Management Plan (PDMP) for any work that you perform for the above designated project. Any person or group who violates any condition of the PDMP may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the PDMP. A copy of the PDMP is available for your review.

Each subcontractor engaged in pesticide activities in the pest management area that could impact Waters of the United States must be identified and sign the following certification statement:

I certify under the penalty of law that I have read and understand the terms and conditions of the PDMP for the above designated project.

This certification is hereby signed in reference to the above named project:

Company: Three Rivers Mosquito and Vector Control

Address: 651 Market Street, Klamath Falls, Oregon 98701-6252

Telephone Number: Office: (541) 238-2272 - Cellular: (541) 880-4791

Type of pesticide application service to be provided:

Adult mosquito Control fogging utilizing a truck mounted, ULV fogger. Larval control if needed using a Maruyama Back Pack blower

Signature:  _____

Title: Owner, Vector Ecologist/Program Manager

Date: 15 January 2015

Attachment H – Annual Reports and Other Record Keeping

All operators must keep the following records:

- A copy of the permit (either electronic copy or hardcopy);
- A copy of the documentation required for Schedule B, Conditions 3, 6 and 7 above;
- Rationale for not reporting an adverse incident as allowed in Schedule B, Condition 3.b. above;
- Up-to-date records on the amount of acres or linear miles treated for the pesticide applications covered under this permit on an annual basis;
- If licensed as a pesticide applicator or pesticide consultant in Oregon, pesticide application records as required by ORS 634.146 and OAR 603-057-0130;
- Records must be kept for a period of at least 3 years.

Attachment I – Annual Pesticide Use Plans (PUP)