

Pesticide Discharge Management Plan (PDMP) Template

Introduction

Any Operator who is required to submit a Notice of Intent (NOI), as required in Part 1.C.2. of the Pesticide General Permit (PGP), must prepare a Pesticide Discharge Management Plan (PDMP) by the time the NOI is filed, with the following exception:

- Any application that is made in response to a Declared Pest Emergency Situation, as defined in Part VIII.Q.14.

To help you develop your PDMP, the Alabama Department of Environmental Management (ADEM) has created this electronic PDMP template. The template is designed to help guide you through the PDMP development process and help ensure that your PDMP addresses all the necessary elements stated in the Pesticide General Permit (PGP). In your PDMP, you may incorporate by reference any procedures or plans in other documents that meet the requirements of the PGP, provided that a copy of those documents are kept with the PDMP. The template can be used as guidance in determining whether a document meets the requirements of the permit.

This template covers the PDMP elements that the PGP requires; however, you are strongly encouraged to customize this template to reflect the conditions at your site.

Using the PDMP Template

Each section of this template includes “instructions” and space for project information. You should read the instructions for each section before you complete that section. This template is available in Word format if requested. Some sections may require only a brief description while others may require several pages of explanation.

Tips for completing the Template:

- The Template generally uses blue text where information is expected to be entered.
- Multiple pest management areas and use pattern(s) may be included in the same PDMP.
- Pest Management Area is the area of land, including any water, for which the Operator is conducting pest management activities covered by this permit. Examples are a city, county or even statewide.
- Incorporate by reference any procedures or plans in other documents that meet the requirements of the permit. Attach a copy of any portions of any documents that you refer to in the PDMP.
- Modify this PDMP template so that it addresses the requirements in the PGP and meets the needs of your project. Consider adding permit citations in the PDMP when you address a specific permit requirement.
- You are not required to submit this PDMP to ADEM; however, it must be made available to the Department for review upon request.

While ADEM has made every effort to ensure the accuracy of all instructions and guidance contained in the Template, the actual obligations of regulated Operators are determined by the relevant provisions of the permit, not by the Template. In the event of a conflict between the PDMP Template and any corresponding provision of the PGP, the PGP is the final authority. ADEM welcomes comments on the PDMP Template at any time and will consider those comments in any future revision of this document.

Pesticide Discharge Management Plan

for:

Insert Company or Organization Name
Insert Pest Management Area(s)

Operator:

Insert Company or Organization Name
Insert Contact Name
Insert Address
Insert City, State, Zip Code
Insert Telephone Number
Insert Fax/Email

PDMP Contact(s):

Insert Company or Organization Name
Insert Contact Name(s)
Insert Address
Insert City, State, Zip Code
Insert Telephone Number
Insert Fax/Email

PDMP Preparation Date:

___/___/_____

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SECTION 1: Operator Information

Instructions (see Part I of the PGP):

- Describe the Pest Management Area(s) and identify the Pesticide Use Pattern(s), Operator, and indicate if there will be a discharge to a water of the State designated as Tier 3 in accordance with ADEM Admin. Code r. 335-6-10-.12(2).

Note: An “Operator” is defined in Part VIII.Q.27 of the PGP to mean any entity involved in the application of a pesticide that results in a discharge to waters of the State. For-hire applicators and owners may be considered Operators for the purposes of this permit. “For-Hire Applicator” and “Owner” are defined in Part VIII.Q.21 and Part VIII.Q.28, respectively, of the permit.

A “Pest Management Area” is defined in Part VIII.Q.31 of the PGP to mean the area of land, including any water, for which an Operator is conducting pest management activities covered by the PGP (e.g., for an Operator who is a mosquito control district, the pest management area is the total area of the district). The Pest Management Area could include contiguous and non- contiguous sites.

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

[Insert text here](#)

2. Identify the Pesticide Use Pattern(s) for this Pest Management Area that triggers the requirement to develop a PDMP (check all that apply). Note: Operators that exceed an annual area treatment threshold (see Table 1 in the PGP), are required to develop a PDMP if they are required to submit a NOI. See Part V.A of the PGP for exception(s).

- | | |
|--|---|
| a. <input 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 |

SECTION 2: Pesticide Discharge Management Team

Instructions (see Part V.B.1 of the PGP):

- Identify all team members by name and title, as well as each person's individual responsibilities, including the person(s): responsible for managing pests in relation to the pest management area; responsible for developing and revising the PDMP; responsible for developing, revising, and implementing corrective actions and other effluent limitation requirements; and responsible for pesticide applications.

1. Person(s) responsible for managing pests in relation to the pest management area.

Company or Organization Name: [Insert Name](#)

Name: [Insert Name](#)

Address: [Insert Address](#)

City, State, Zip Code: [Insert City, State, Zip Code](#)

Telephone Number: [Insert Telephone Number](#)

Email address: [Insert Email Address](#)

Fax number: [Insert Fax Number \(optional\)](#)

Area of Control (if more than one Operator at site): [Insert area of control](#)

Repeat as necessary

2. Person(s) responsible for developing and revising the PDMP: *Person(s) who should be contacted regarding PDMP questions.*

Company or Organization Name: [Insert Name](#)

Name: [Insert Name](#)

Address: [Insert Address](#)

City, State, Zip Code: [Insert City, State, Zip Code](#)

Telephone Number: [Insert Telephone Number](#)

Email address: [Insert Email Address](#)

Fax number: [Insert Fax Number \(optional\)](#)

Area of Control (if more than one Operator at site): [Insert area of control](#)

Repeat as necessary

3. Person(s) responsible for developing, revising, and implementing corrective actions and other effluent limitation requirements.

Company or Organization Name: [Insert Name](#)

Name: [Insert Name](#)

Address: [Insert Address](#)

City, State, Zip Code: [Insert City, State, Zip Code](#)

Telephone Number: [Insert Telephone Number](#)

Email address: [Insert Email Address](#)

Fax number: [Insert Fax Number \(optional\)](#)

Area of Control (if more than one Operator at site): [Insert area of control](#)

Repeat as necessary

4. Person(s) responsible for pesticide applications. If the pesticide applicator is unknown at the time of plan development, indicate when the identity of the applicator is anticipated.

Company or Organization Name: [Insert Name](#)

Name: [Insert Name](#)

Address: [Insert Address](#)

City, State, Zip Code: [Insert City, State, Zip Code](#)

Telephone Number: [Insert Telephone Number](#)

Email address: [Insert Email Address](#)

Fax number: [Insert Fax Number \(optional\)](#)

Area of Control (if more than one Operator at site): [Insert area of control](#)

Repeat as necessary

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

Team Member Name(s)	Individual Responsibilities
Insert name of team member/position title [Repeat as necessary]	Insert a description of the team members responsibility [Repeat as necessary]

SECTION 3: Problem Identification

3.1 Pest Problem Description

Instructions (see Part V.B.2(a) of the PGP):

- Briefly describe the pest problem, including identification of the target pest(s), source of the pest problem, and source of data used to identify the problem (see Parts II.B.1(a), II.B.2(a), II.B.3(a), and/or II.B.4(a) of the PGP).

Note: The response will be one or more paragraphs, depending on the nature and complexity of the project. The source of the pest problem may be unknown. ADEM does not expect or require the Operator to conduct long term studies to determine the source of the pest problem(s).

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

Summary of Pest Problem

Target Pest(s) <i>Note: Use common name</i>	Source of the pest problem	Data Source (e.g. survey conducted in 2010)
[Repeat as necessary]	[Repeat as necessary]	[Repeat as necessary]

2. Provide a brief description of the pest problem.

[Insert text here](#)

3.2 Action Threshold(s)

Instructions (see Part V.B.2(b) of the PGP):

- Describe the action threshold(s) for pest(s) in the pest management area, including a description of how they were determined.

Note: An action threshold is the point at which pest populations or environmental conditions can no longer be tolerated necessitating that pest control action be taken based on economic, human health, aesthetic, or other effects. An action threshold may be based on past and/or current environmental factors that are or have been demonstrated to be conducive to pest emergence and/or growth, as well as past and/or current pest presence. Action thresholds are those conditions that indicate both the need for control actions and the proper timing of such actions.

Provide a brief description of the action threshold(s) for each Target Pest.

Pest Management Objective: [Insert text here](#)

Target Pest: [Insert text here](#)

Action Threshold: [Insert text here](#)

Basis for the action threshold: [Insert text here](#)

Method to determine when the action threshold has been met: [Insert text here](#)

Repeat as necessary

3.3 General Location Map

Instructions (see Part V.B.2(c) of the PGP):

- Provide a general location map (e.g., U.S. Geological Survey (USGS) quadrangle map, portion of city/county map) that identifies the geographic boundaries of the area to which the plan applies and location of the waters of the State.
- To improve readability of the map, some detailed information may be kept as an attachment to the site map and pictures may be included as deemed appropriate.
- Indicate the location of all waters, including wetlands, on the general location map.

Include a copy of the general location map for this facility in Attachment A.

3.4 Water Quality Standards

Instructions (see Part V.B.2(d) of the PGP):

- Document waters impaired for pesticide(s) or any degradates for which there may be a discharge. Note: Operators are not eligible for coverage under the PGP for any discharges from a pesticide application to waters of the State if the water is identified as impaired by a substance which either is an active ingredient in that pesticide or is a degradate of such an active ingredient. See Part I.B.2(a) of the PGP.
- Document any Tier 3 (Outstanding National Resource Waters).

Note: Links to Tier 3 (ONRW) and impaired waters can be found at the following links:

Tier 3 Waters – <http://www.adem.state.al.us/programs/water/waterforms/ONRWDesignations.pdf>
<http://www.adem.state.al.us/alEnviroRegLaws/files/Division6Vol1.pdf>
(Look Under ADEM Admin. Code rs. 335-6-10-.10 and 335-6-11-.02)

Impaired Waters - <http://www.adem.state.al.us/programs/water/303d.cnt>
<http://www.adem.state.al.us/programs/water/tmdl.cnt>

Water Quality Standards - <http://www.adem.state.al.us/programs/water/waterquality.cnt>

Provide a summary of Tier 3 waters and waters impaired for pesticides (if applicable).

[Insert text here](#)

SECTION 4: Control Measure Description

Instructions (see Part V.B.3 of the PGP):

- Document the evaluation of control measures for the pest management area, and
- Document the control measures that will be implemented to comply with the effluent limitations. Include in the description the active ingredient(s) of the pesticides(s) evaluated.

1. Provide a description of the evaluation of control measures for the pest management area.

[Insert text here](#)

2. Provide a description of the control measures that will be implemented to comply with the technology-based effluent limitations. Include in the description the active ingredient(s) of the pesticides(s) evaluated.

[Insert text here](#)

SECTION 5: Schedules and Procedures

5.1 *Control Measures Used to Comply with Effluent Limitations*

5.1.1 Application Rate and Frequency

Instructions (See Part V.B.4(a)i. of the PGP):

Document the procedures for determining only the necessary amount of pesticide product used per application and at the necessary frequency needed to control the target pest, consistent with reducing the potential for development of pest resistance.

Refer to Part II.A of the PGP.

[Insert text here](#)

5.1.2 Spill Prevention

Instructions (See Part V.B.4(a)ii. of the PGP):

- Document the procedures and schedule of maintenance activities for preventing spills and leaks of pesticides associated with the application of pesticides covered under this permit.

Refer to Part II.A of the PGP.

[Insert text here](#)

5.1.3 Pesticide Application Equipment

Instructions (See Part V.B.4(a)iii. of the PGP):

- Document the schedules and procedures for maintaining the pesticide application equipment in proper operating condition, including calibrating, cleaning, and repairing the equipment.

Refer to Part II.A of the PGP.

[Insert text here](#)

5.1.4 Pest Surveillance

Instructions (See Part V.B.4(a)iv. of the PGP):

- Document the procedures and methods for conducting pre-application pest surveillance.

Refer to Parts II.B.1.(c); II.B.2.(c); II.B.3.(c); and II.B.4.(c) of the PGP.

[Insert text here](#)

5.1.5 Assessing Environmental Conditions

Instructions (See Part V.B.4(a)v. of the PGP):

- Document the procedures and methods for assessing environmental conditions in the treatment area. Refer to Parts II.B.1.(c).ii, and II.B.4.(c).ii) of the PGP.

[Insert text here](#)

5.2 *Other Actions Necessary to Minimize Discharges*

5.2.1 Spill Response Procedures

Instructions (See Part V.B.4(b)i. of the PGP):

Spill Containment

- Document the procedures for expeditiously stopping, containing, and cleaning up leaks, spills, and other releases to Waters of the State.
- Method(s) for ensuring that employees who may cause, detect, or respond to a spill or leak have training in these procedures and have necessary spill response equipment available. If possible, one of these individuals should be a member of the PDMP team.

Spill Notification

- Document the procedures for notification of appropriate facility personnel, emergency response agencies, and regulatory agencies.

Spill Containment Procedures

[Insert text here](#)

Spill Notification Procedures

[Insert text here](#)

5.2.2 Adverse Incident Response Procedures

Instructions (See Part V.B.4(b)ii. of the PGP):

Responding to an Adverse Incident

- Document the procedures for responding to any adverse incident resulting from pesticide applications.

Notification of an Adverse Incident

- Document the procedures for notification of the adverse incident, both internal to the Operator's agency/organization and external. Contact information for state/federal permitting agency, nearest emergency medical facility, and nearest hazardous chemical responder must be in locations that are readily accessible and available.

Procedures for Responding to an Adverse Incident

[Insert text here](#)

Procedures for Notification of an Adverse Incident

[Insert text here](#)

5.2.3 Pesticide Monitoring Schedules and Procedures

Instructions (See Part V.B.4(b)iii. of the PGP):

- Document the process for determining the location of any monitoring in Part IV of the PGP, including:
 - A schedule for monitoring; and
 - The person responsible for conducting the monitoring.
- Document the procedures for documenting any observed impacts to non-target organisms resulting from the pesticide discharge.

Process for determining the location of any monitoring

[Insert text here](#)

Documentation of Observed Impacts

[Insert text here](#)

SECTION 6: Signature Requirements

Instructions (see Part VIII.I of the PGP and ADEM Admin. Code r. 335-6-6-.09):

- The following certification statement must be signed and dated to certify that the PDMP is in accordance with Part VIII.I of the PGP.

Note: This certification must be re-signed whenever necessary to address any of the triggering conditions for corrective action in Part VI.A or when a change in pest control activities significantly changes the type or quantity of pollutants discharged.

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 gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system 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 or imprisonment for knowing violations. I further certify that the applicant has sufficient title, right or interest in the property where the proposed activity occurs.

Name: _____ Title: _____

Signature: _____ Date: _____

SECTION 7: PDMP Plan Modifications

Instructions (see Part V.C of the PGP):

- You must modify your PDMP whenever necessary to address any of the triggering conditions for corrective action in Part VI.A of the PGP, or when a change in pest control activities significantly changes the type or quantity of pollutants discharged. Changes to your PDMP must be made before the next pesticide application that results in a discharge, if practicable, or if not, no later than 90 days after any change in pesticide application activities. The revised PDMP must be signed and dated in accordance with Part VIII.I of the PGP.
- You should include significant changes in the activities or their timing on the project, changes in personnel, updates to site maps, and so on.

[REFERENCE ATTACHMENT E,F and/or G](#)

SECTION 8: PDMP Availability

Instructions (see Part V.D of the PGP):

- You must retain a copy of the current PDMP, along with all supporting maps and documents, at the address provided in Section II of the NOI. The PDMP and all supporting documents must be readily available, upon request, to the Department. ADEM may provide copies of your PDMP or other information related to this permit that is in its possession to members of the public.

ATTACHMENTS

Attach the following documentation to the PDMP:

Attachment A – General Location Map

Attachment B – Pesticide General Permit

Attachment C – NOI and Acknowledgement Letter from ADEM

Attachment D – Adverse Incident Report

Attachment E – Corrective Action Log

Attachment F – PDMP Amendment Log

Attachment G – Annual Reports and Other Record Keeping

Attachment A – General Location Map

Attachment B – Pesticide General Permit

Attachment C – NOI and Acknowledgement Letter from ADEM

Attachment D – Adverse Incident Report

Attachment F – PDMP Amendment Log Template

Project Name:

PDMP Contact:

Amendment No.	Description of the Amendment	Date of Amendment	Amendment Prepared by [Name(s) and Title]

Attachment G – Annual Reports and Other Record Keeping

The following is a list of records you should keep at your site and available for inspectors to review:

- Copies of Annual Reports
- Records as required in Part VII of the PGP

Check your permit for additional details