

Michigan Department of Environmental Quality (DEQ)
National Pollutant Discharge Elimination System
Pesticide General Permit
Pesticide Discharge Management Plan (PDMP) Template

Introduction

Any Permittee who is required to apply for and obtain a Certificate of Coverage under one of the Pesticide General Permits, as required in Part I.A.1, and is a large entity, as defined in Part II.A, must prepare a Pesticide Discharge Management Plan (PDMP) prior to the first pesticide application covered under the permit, with the following exception:

- Any application made in response to a Declared Pest Emergency Situation, as defined in Part II.A of the permit.

To help you develop your Pesticide Discharge Management Plan (PDMP), the DEQ 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. 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 pesticide general permit requires; however, you are 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 was developed in Word so that you can easily add tables and additional text. 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 in the same PDMP.
- Pest management area(s) may be as large as an entire state or as small as pond.
- Incorporate by reference any procedures or plans in other documents that meet the requirements of the permit. Attached 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 pesticide general permit and meets the needs of your project.

The DEQ has made every effort to ensure the accuracy of all instructions and guidance contained in the PDMP Template, the actual obligations of regulated Permittee(s) 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 permit is the final authority. The DEQ welcomes comments on the PDMP Template at any time and will consider those comments in any future revision of this document.

Section I. Contact Information

A. Permittee

Permittee Name: Insert Name		Title: Insert Title	
Mailing Address: Insert Address	City: Insert City	State: State	Zip: Zip Code
E-mail Address: Insert Address	FAX (with area code): Insert #	Telephone (with area code): Insert #	

B. Pesticide Discharge Management Team

Instructions: Describe the pesticide discharge management team, including name, certifications or registrations (if applicable), and contact information for the person(s) with the identified responsibilities: *(Identification of team members shall include any written agreement(s) between the Permittee and any other person(s), such as a commercial applicator, that specify the division of responsibilities between parties as necessary to comply with the provisions of this permit)*

Name: Insert Name		Title: Insert Title	Certification/Registration id: Insert ID
E-mail Address: Insert Address		FAX (with area code): Insert #	Telephone (with area code): Insert #
Responsibilities Include:			
<input type="checkbox"/> managing pests in relation to the pest management area		<input type="checkbox"/> developing and revising the PDMP	
<input type="checkbox"/> developing, revising, and implementing corrective actions		<input type="checkbox"/> developing, revising, and implementing discharge limit requirements	
Name: Insert Name		Title: Insert Title	Certification/Registration id: Insert ID
E-mail Address: Insert Address		FAX (with area code): Insert #	Telephone (with area code): Insert #
Responsibilities Include:			
<input type="checkbox"/> managing pests in relation to the pest management area		<input type="checkbox"/> developing and revising the PDMP	
<input type="checkbox"/> developing, revising, and implementing corrective actions		<input type="checkbox"/> developing, revising, and implementing discharge limit requirements	
Name: Insert Name		Title: Insert Title	Certification/Registration id: Insert ID
E-mail Address: Insert Address		FAX (with area code): Insert #	Telephone (with area code): Insert #
Responsibilities Include:			
<input type="checkbox"/> managing pests in relation to the pest management area		<input type="checkbox"/> developing and revising the PDMP	
<input type="checkbox"/> developing, revising, and implementing corrective actions		<input type="checkbox"/> developing, revising, and implementing discharge limit requirements	
Name: Insert Name		Title: Insert Title	Certification/Registration id: Insert ID
E-mail Address: Insert Address		FAX (with area code): Insert #	Telephone (with area code): Insert #
Responsibilities Include:			
<input type="checkbox"/> managing pests in relation to the pest management area		<input type="checkbox"/> developing and revising the PDMP	
<input type="checkbox"/> developing, revising, and implementing corrective actions		<input type="checkbox"/> developing, revising, and implementing discharge limit requirements	

Section II. Pest Management Area Description

A "Pest Management Area" is defined to mean the area of land, including any water, for which an Operator has responsibility for and is authorized to conduct pest management activities as covered by the PGP permit (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(s) may be as large as the entire state or as small as a single waterbody and could include contiguous and non-contiguous sites.

Provide a brief description of the Pest Management Area:

[Insert text here](#)

Identify the Pesticide Use Patterns for this Pest Management Area. (Note: Permittees, that are a large entity, are required to develop a PDMP if they are required to submit an application.)

<input type="checkbox"/>	Mosquito and Other Flying Insect Pest Control
<input type="checkbox"/>	Nuisance Plant and Algae Control
<input type="checkbox"/>	Nuisance Animal Pest Control and Fish Reclamation
<input type="checkbox"/>	Forest Canopy Pest Control

A. Pest Problem Description:

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.

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. The DEQ does not expect the Permittee to conduct long term studies to determine the source of the pest problem.

Target Pest(s):

[Insert text here](#)

Source of the Pest Problem:

[Insert text here](#)

Source of data used to identify problem:

[Insert text here](#)

B. Action Thresholds:

Describe the action threshold(s) for pest(s) in the pest management area, including data used in developing the action threshold(s) and method(s) to determine when the action threshold(s) has been met.

Note: An action threshold is the point at which pest populations or environmental conditions necessitate that pest control action be taken based on economic, human health, aesthetic, or other effects. An action threshold may be based on current and/or past 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.

[Insert text here](#)

C. General Location Map(s)

Attach a general location map (e.g., USGS quadrangle map, a portion of a city or county map, computer or other map) and a brief description identifying the boundaries of the area to which the plan applies and location of surface waters of the State of Michigan.

[Insert text here](#)

D. Tier 3 (Outstanding State Resource Water) Water Bodies and Impaired Waters

Identify any Tier 3 Waters or any waters identified as impaired by a substance which either is a pesticide active ingredient or a degradate of such an active ingredient.

[Insert text here](#)

Section III. Pest Management Options Evaluation

Document your evaluation of the pest management options, including combination of the pest management options, to control the target pest(s).

Note: All six pest management options may not be available for a specific use category and/or treatment area. However, the PDMP must include documentation of how the six pest management options were evaluated. The PGP does not require the use of the least toxic alternative or that non-pesticide methods be tried first. Combinations of various pest management options are frequently the most effective Pest Management Measures over the long term. The goal should be to emphasize long-term control rather than a temporary fix. "Pest Management Measure" is defined to be any practice used to meet the effluent limitations that comply with manufacturer specifications, industry standards and recommended industry practices related to the application of pesticides, relevant legal requirements and other provisions that a prudent Operator would implement to reduce and/or eliminate pesticide discharges to waters of the United States.

- No Action: [Insert text here](#)
- Prevention: [Insert text here](#)
- Mechanical/Physical Methods: [Insert text here](#)
- Cultural Methods: [Insert text here](#)
- Biological Control Agents: [Insert text here](#)
- Pesticides: [Insert text here](#)

A. Pest Management Measures

Provide a summary of Pest Management Measures that will be or are implemented to meet the technology-based effluent limitations. The active ingredient(s) of any pesticide(s) used must also be included.

[Insert text here](#)

List the name of the pesticide(s) used and the active ingredient(s):

Pesticide Name	Active Ingredient
Insert Name	Insert Ingredient
Insert Name	Insert Ingredient
Insert Name	Insert Ingredient
Insert Name	Insert Ingredient

Section IV. Schedules and Procedures

Permittees must document the schedules and procedures that detail all of the following:

- pre-application pest surveillance;
- assessment of environmental conditions in the treatment area;
- determination of the lowest effective amount of pesticide product per application and the optimum frequency of pesticide applications necessary to control the target pest;
- maintenance activities for preventing spills and leaks;
- maintenance activities to ensure that the pesticide application equipment is in proper operating condition, including calibrating, cleaning, and repairing the equipment;
- spill response procedures for expeditiously stopping, containing, and cleaning up leaks, spills, and other releases. Employees who may cause, detect, or respond to a spill or leak shall be trained in these procedures and have necessary spill response equipment available. Procedures for notification of the Department, appropriate personnel, and emergency response agencies shall also be included;
- adverse incident response procedures including notification of the incident. Contact information for the Department, the nearest emergency medical facility, and the nearest hazardous chemical responder shall be in locations that are readily accessible and available; and
- monitoring, including the process for determining the location of any monitoring, the monitoring schedule, the person responsible for conducting monitoring, and the procedures for documenting any impacts to non-target organisms resulting from the pesticide discharge.

[Insert text here](#)

Section V. Pesticide Discharge Management Plan Modifications:

The PDMP shall be modified whenever necessary to address any issues that trigger corrective action, if appropriate, or when a change in the identified pest control activities significantly changes the type or quantity of pollutants discharged. Updates to the PDMP shall be made before the next pesticide application that results in a discharge, if practicable, or if not, no later than thirty (30) days after the change in pesticide activities.

A copy of the current PDMP, along with all supporting maps and documents, shall be retained by the Permittee. The PDMP and all supporting documents must be readily available upon request by the Department, and the Department may provide copies of any of these documents, upon request, provided the request complies with the provisions of Title 40 of the Code of Federal Regulations (40 CFR) Part 2, Confidential Business Information and that the claim of confidentiality is properly asserted and documented as required by said regulation.

Section VI. Signature of responsible party

CERTIFICATION

Rule 323.2114(1-4), promulgated under the Michigan Act, requires that this Pesticide Discharge Management Plan must be signed as follows:

- A. For an organization, company, corporation, or authority, by a principal executive office, vice president, or higher
- B. For a partnership, by a general partner
- C. For a sole proprietor, by the proprietor
- D. For a municipal, state, or other public entity, by a principal executive officer or ranking elected official (e.g., mayor, village president, city or village manager, or clerk)

Note: If the signatory is not listed above, but is authorized to sign the Pesticide Discharge Management Plan, please provide documentation of that authorization.

"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 and imprisonment for having knowledge of violations."

I understand that my signature constitutes a legal agreement to comply with the requirements of the NPDES Permit. I certify under penalty of law that I possess full authority on behalf of the legal owner/permittee to sign this Pesticide Discharge Management Plan.

Print Name

Title:

Signature

Date:

PREPARER'S NAME IF DIFFERENT FROM CERTIFIER

Print Name

Title:

Signature

Date:
