

<h1>POLICY MANUAL</h1>	Date Adopted: September 27, 2023
Classification: STORM WATER QUALITY	Date Last Amended:
Subject: Integrated Pest Management Policy	Approved By: <i>Peter Sanchez</i>

I. Background:

The Fresno Metropolitan Flood Control District (District) is regulated by the federal Clean Water Act, the state Porter-Cologne Act, and a National Pollutant Discharge Elimination System (NPDES) permit for discharges of stormwater. As part of the California Central Valley Regional Water Quality Control Board’s Basin Plan Amendment and Total Maximum Daily Load for the Control of Pesticide Discharges in the Sacramento and San Joaquin River Basins, the District is required to implement a Pyrethroid Management Plan to reduce pyrethroid discharges to the Maximum Extent Practical (MEP). The Pyrethroid Management Plan requires the adoption and implementation of an Integrated Pest Management (IPM) Policy.

For the purposes of this IPM policy, the District adopts the following University of California Statewide Integrated Pest Management I (UC-IPM) IPM definition:

IPM is an ecosystem-based strategy that focuses on long-term prevention of pests or their damage through a combination of techniques such as biological control, habitat manipulation, modification of cultural practices, and use of resistant varieties. Pesticides are used only after monitoring indicates they are needed according to established guidelines, and treatments are made with the goal of removing only the target organism. Pest control materials are selected and applied in a manner that minimizes risks to human health, beneficial and nontarget organisms, and the environment.

II. Purpose:

It is the purpose and intent of this IPM Policy to efficiently manage the use of pesticides² as a part of District operations and on District facilities, landscaped areas, and rights-of-way that may adversely impact water quality.

III. Scope:

The IPM Policy governs District employees and contractors hired by the District and persons acting under the authority of the District in the care and maintenance of District facilities,

1 <https://www2.ipm.ucanr.edu/what-is-IPM/>

2 As defined in Section 12753 of Chapter 2 of Division 7 of the California Food and Agricultural Code.

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landscaped areas, and rights-of-way. The term “pesticides” is a general term that includes herbicides, insecticides, fungicides, and rodenticides.

IV. Policy:

It is the policy of the District that:

1. Departments performing pest management will conform with the District’s IPM Policy.
2. The District’s IPM approach will include the following:
 - a) Educate and train District staff in the IPM program, practices, and policy.
 - b) Require District staff and pesticide application contractors to implement the IPM Policy on all District facilities, landscaped areas, and rights-of-way, and to maintain records on and report the types and amounts of pesticides used, as well as IPM methods considered and used to prevent and control pests.
 - c) Identify, evaluate, and minimize or eliminate conditions that encourage pest problems.
 - d) Efficiently manage the use of pesticides.
 - e) Consider taking a “no-action” approach in addressing certain pest control issues.
 - f) Review and consider available non-chemical options before using a chemical pesticide.
 - g) Identify pests and the least toxic methods to control pests.
 - h) Conduct careful and efficient inspection, monitoring, and assessment of pest problems by designated personnel or contractor knowledgeable of IPM methods.
 - i) Maintain records on IPM methods considered and used to prevent and control pests.

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- j) Comply with all applicable local, State of California (State), and federal regulations, including pesticide use and reporting.
 - k) Conduct decision-making based on the best available science and data.
3. Prepare a report to the Board of Directors annually on the implementation of the IPM Policy. The report should include IPM methods implemented, the quantity of pesticide used, and the cost of implementation.

V. Implementation:

This IPM Policy shall be implemented individually by District departments. Departments that conduct or contract for pest management shall comply with this policy.

The Environmental Resources Manager is designated as the District’s IPM Coordinator and is responsible for coordinating with the departments involved in pest management to ensure that the IPM Policy is implemented.

The primary responsibilities include the following:

- 1. Serve as the primary educator and trainer on IPM approaches and policy.
- 2. Provide technical guidance and oversight for IPM implementation.
- 3. Develop a common record keeping system.
- 4. Gathers data and prepares reports to demonstrate compliance with the IPM policy.

VI. Definitions for use with this policy:

- 1. “Basin Plan Amendment” or “BPA” means the regulatory requirements for the Control of Pyrethroid Pesticide Discharges that was adopted by the Central Valley Water Board on June 8, 2017, with the adoption of Resolution R5-2017-0057. The BPA established measurable pyrethroid concentration goals and an implementation program for the control of pyrethroid pesticides that are or could potentially impact aquatic life in the Sacramento and San Joaquin River watersheds.

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2. “Contractor” means a person, firm, or corporation or other entity, including a governmental entity that enters into a contract with the District for pest management services.
3. “Integrated Pest Management” or “IPM” means an ecosystem-based strategy that focuses on long-term prevention of pests or their damage through a combination of techniques such as biological control, habitat manipulation, modification of cultural practices, and use of resistant varieties. Pesticides are used only after monitoring indicates they are needed according to established guidelines, and treatments are made with the goal of removing only the target organism. Pest control materials are selected and applied in a manner that minimizes risks to human health, beneficial and nontarget organisms, and the environment.³
4. “IPM Coordinator” means the designated agent or employee experienced in IPM field and office work and is responsible for IPM program coordination for the District.
5. “IPM Policy” means this Integrated Pest Management Policy.
6. “Pest” means any pest as defined in Section 12754.5 of Chapter 2 of Division 7 of the California Food and Agricultural Code. Pest includes any of the following that is or is liable to become, dangerous or detrimental to the public health or the agricultural or nonagricultural environment of the State:
 - a) Any insect, predatory animal, rodent, nematode or weed;
 - b) Any form of terrestrial, aquatic, or aerial plant or animal, virus, fungus, bacteria or other microorganism (except viruses, fungi, bacteria or other microorganisms on or in living man or other living animals);
 - c) Anything that the Secretary of the California Department of Food and Agriculture or the Director of Pesticide Regulation for the California Department of Food and Agriculture by regulation declares to be a pest.

³ <https://www2.ipm.ucanr.edu/what-is-IPM/>

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7. “Pest Control Adviser” or “PCA” means any person possessing a current pest control adviser license issued by the California Department of Pesticide Regulation. The PCA license is required for making pest control recommendations in the landscape setting.
8. “Pest Control Operator” or “PCO” means any person possessing a current pest control operator license issued by the California Department of Pesticide Regulation. The PCO license is required when performing structural pest control.
9. “Pest-Specific Plan” means a written plan addressing the management and control of a particular pest. Components of Pest-Specific Plans should include pest biology, impacts, pest thresholds, recommended treatments, monitoring frequency, cultural practices, and site modifications to prevent or reduce the incidence of pest problems.
10. “Pesticide” means pesticide as defined in Section 12753 of Chapter 2 of Division 7 of the California Food and Agricultural Code. Pesticide includes any of the following:
 - a) Any substance or combination of substances which is intended to be used for defoliating plants, regulating plant growth, or for preventing, destroying, repelling or mitigating any pest which may infest or be detrimental to vegetation, man, animals or households or be present in any agricultural or nonagricultural environment whatsoever;
 - b) Any spray adjuvant.