

Pesticides Toxicity Control Requirements in the Municipal Regional Permit

**Vishakha Atre
EOA, Inc.**

**Landscape IPM Workshop
March 1, 2023**



Overview of Presentation

- Background - Stormwater and Pesticides
- Stormwater Regulations and the “Municipal Regional Permit (MRP)”
- Pesticide Control Requirements in the MRP

Stormwater Pollution

- Pollutants entering the storm drain system flow to local creeks and the Bay **with no treatment**
- Everyday activities can cause stormwater pollution



Municipal Regional Stormwater Permit (MRP)

- San Mateo agencies (permittees) are part of the MRP that covers four Bay Area counties and parts of Solano
- Includes requirements for controlling urban runoff pollutants – litter, sediment, metals, pesticides, etc.
- Describes programs that permittees have to implement – inspections, public outreach, monitoring etc.
- The San Mateo Countywide Water Pollution Prevention Program (SMCWPPP) assists San Mateo County municipal Permittees to implement MRP requirements

- www.FlowstoBay.org

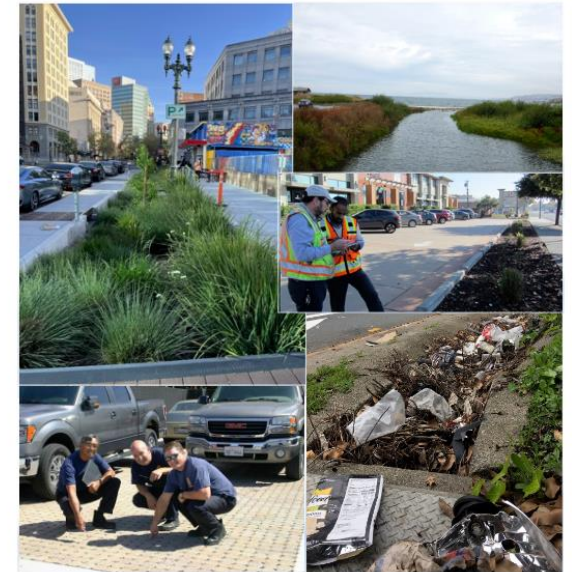


MRP Provision C.9

- Provision C.9 of the MRP requires municipal agencies to implement a pesticides control program to help reduce pesticide discharges in stormwater runoff
- Implementation guidance is provided through the SMCWPPP Parks Maintenance and IPM Work Group
- MRP 3.0 was adopted on May 11, 2022

California Regional Water Quality Control Board
San Francisco Bay Region
Municipal Regional Stormwater NPDES Permit

Order No. R2-2022-0018
NPDES Permit No. CAS612008
May 11, 2022



MRP Provision C.9

- **Implement IPM Policy and Standard Operating Procedures**
 - Ensure staff and contractors implement IPM Policy and SOPs
NEW – Provide links to IPM Policy and SOPs in FY 22-23 Annual Report
 - Track and report pesticides of water quality concern
NEW – Track and report neonicotinoid containing pesticides
 - Implement and report two IPM Strategies in each Annual Report

Pesticides of Concern

- Diuron
- Indoxacarb
- Fipronil and its degradates
- Diamides
- Organophosphates
- Pyrethroids
- Carbamates
- Neonicotinoids - **NEW**

AutoSave Off SMCWPPP_Pesticide_Tracking_BLANK_06.07.22.xlsx Search

File Home Insert Page Layout Formulas Data Review View Automate Help Acrobat

Get Data From Text/CSV From Picture From Web Recent Sources Existing Connections Refresh All Queries & Connections Properties Edit Links Stocks Geography Sort Filter Clear Reapply Advanced

Get & Transform Data Queries & Connections Data Types Sort & Filter

X18

	A	B	C	S	T	U	V	W	X	Y
		Pesticide of Concern	Active Ingredient	fl oz	oz	gal	mg	lbs		
5										
6										
7		Diamides	CHLORANTRANILIPROLE	0	0	0	0	0		
8		Diamides	CYANTRANILIPROLE	0	0	0	0	0		
9		Diuron	DIURON	0	0	0	0	0		
10		Fipronil	FIPRONIL	0	0	0	0	0		
11		Indoxacarb	INDOXACARB	0	0	0	0	0		
12		Organophosphates	DIAZINON	0	0	0	0	0		
13		Organophosphates	CHLORPYRIFOS	0	0	0	0	0		
14		Organophosphates	MALATHION	0	0	0	0	0		
15		Pyrethroids	METOFLUTHRIN	0	0	0	0	0		
16		Pyrethroids	BIFENTHRIN	0	0	0	0	0		
17		Pyrethroids	CYFLUTHRIN	0	0	0	0	0		
18		Pyrethroids	BETA-CYFLUTHRIN	0	0	0	0	0		
19		Pyrethroids	CYPERMETHRIN	0	0	0	0	0		
20		Pyrethroids	(S)-CYPERMETHRIN	0	0	0	0	0		
21		Pyrethroids	ALPHA-CYPERMETHRIN	0	0	0	0	0		
22		Pyrethroids	DELTAMETHRIN	0	0	0	0	0		
23		Pyrethroids	ESFENVALERATE	0	0	0	0	0		
24		Pyrethroids	LAMBDA-CYHALOTHRIN	0	0	0	0	0		
25		Pyrethroids	PERMETHRIN	0	0	0	0	0		
26		Pyrethroids	PERMETHRIN, OTHER RELATED	0	0	0	0	0		
27		Carbamates	CARBARYL	0	0	0	0	0		
28		Carbamates	ALDICARB	0	0	0	0	0		
29		Neonicotinoids	IMIDACLOPRID	0	0	0	0	0		
30		Neonicotinoids	ACETAMIPRID	0	0	0	0	0		
31		Neonicotinoids	DINOTEFURAN	0	0	0	0	0		
32										

Metadata Tracking ProductList Summary LookupLists DPR_LookupList DuplicateNames

MRP Provision C.9

- **Municipal Staff Training**
 - Provide IPM training to staff that apply pesticides
 - Annually, report number of these staff trained
- **Municipal Contractors**
 - Require contractors to implement IPM
 - Monitor contractor activities to ensure compliance



MRP Provision C.9

- **Coordinate with County Ag**
 - Obtain advice
 - Maintain communication
 - Report violations

- **Conduct Evaluation**
 - Evaluate municipal pesticide control activities
 - Report with FY 24-25 Annual Report



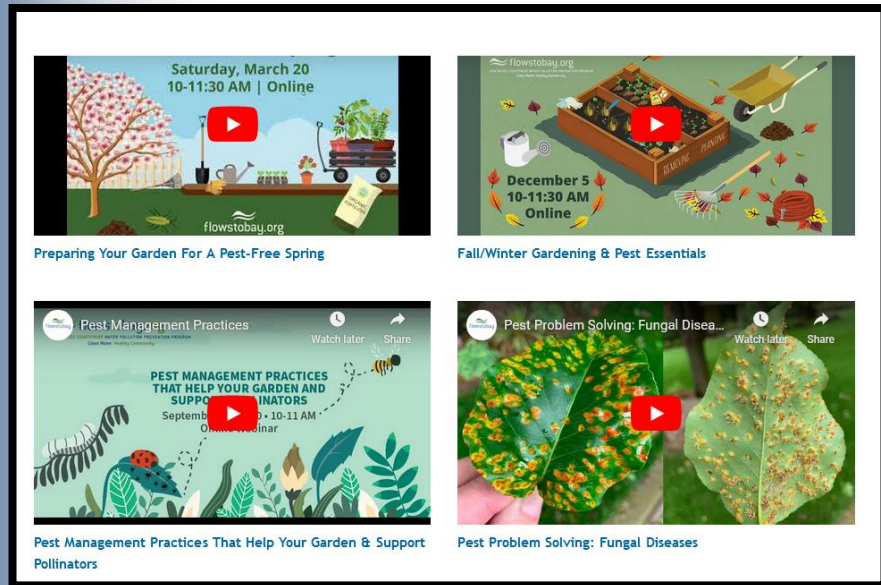
Pesticide Source Control Actions Effectiveness Evaluation

Submitted by the San Mateo Countywide Water Pollution Prevention Program (SMCWPPP), on behalf of all San Mateo County Permittees, in compliance with Provision C.9.g of the Municipal Regional Permit (Order R2-2015-0049).

September 30, 2019

MRP Provision C.9

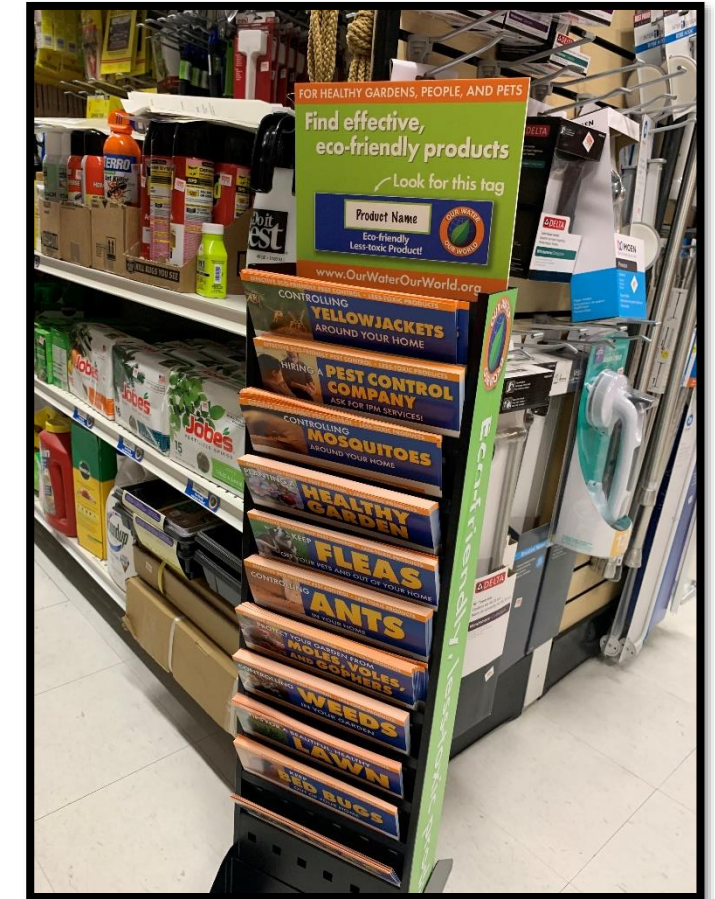
- Conduct Public Outreach – [FlowsToBay.org](https://www.flowsstobay.org)



Webinars



Point-of-purchase outreach



For more information...

www.FlowsToBay.org

Vishakha Atre

EOA, Inc.

408-720-8811 x3

vatre@eoainc.com