

# **Pesticides Toxicity Control Requirements in the Municipal Regional Permit**

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# Overview of Presentation

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

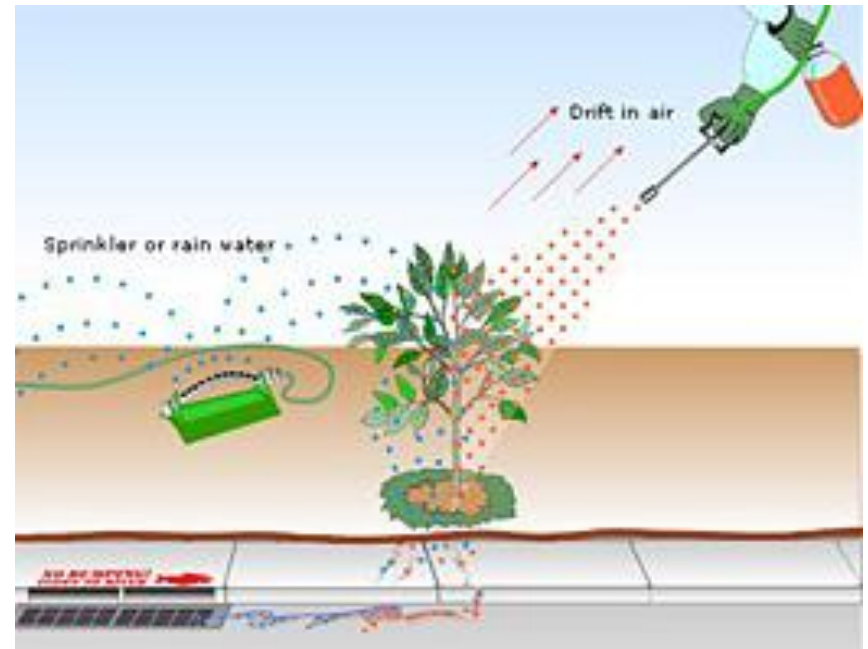
# Stormwater Pollution

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



# Pesticides Enter Storm Drains by Multiple Pathways

- Stormwater Runoff
- Over-Irrigation
- Spills
- Drift



# Pesticides Threaten Water Quality

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- Many historical studies show likely pesticide impacts to aquatic habitat in Bay Area and throughout California
- Widespread problems where urban and agricultural land uses drain to creeks and other water bodies
- Currently, all Bay Area creeks are considered to be impaired due to pesticide pollution

# Regulatory Background: Municipal Stormwater Permits

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- Since 1987 the federal Clean Water Act has required municipalities to obtain permits to discharge stormwater from municipal storm drain systems
- These are National Pollutant Discharge Elimination System (NPDES) Municipal Regional Stormwater Permits (MRP)



# Municipal Regional Permit (MRP)

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- Santa Mateo agencies are part of the MRP that covers four Bay Area counties
- MRP developed and enforced by the SF Bay Regional Water Quality Control Board
- Includes requirements for controlling urban runoff pollutants – litter, sediment, pesticides, etc.

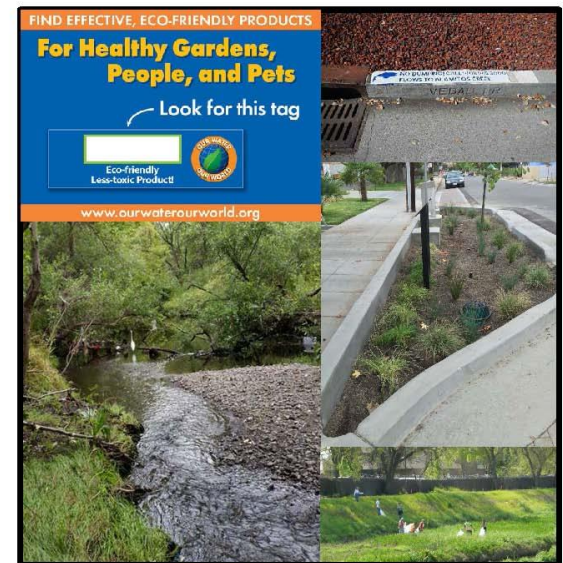


# MRP Provision C.9

- Municipal agencies required to implement a pesticides control program to help reduce pesticide discharges in stormwater runoff
- Implementation guidance provided through the SMCWPPP Parks Maintenance and IPM Work Group

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

Order No. R2-2015-0049  
NPDES Permit No. CAS612008  
November 19, 2015





# MRP Provision C.9

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- Implement an IPM Policy or ordinance
- Report trends in municipal pesticide use
  - Pesticide tracking database template developed in FY 16-17
- Report IPM tactics and strategies used
- Require municipal staff and contractors to implement IPM
  - Ensure that contractors are complying with IPM requirements

# MRP Provision C.9

- Provide IPM training for municipal staff
- Hire IPM-certified contractors or include contract specifications requiring IPM
- Report violations of pesticide regulations (e.g., improper usage or disposal) to County Agricultural Commissioners
- Conduct outreach to the public and pest control professionals



# Pesticides of Concern

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- Active ingredients listed in the MRP as pesticides of concern:
  - Diamides
  - Diuron
  - Indoxacarb
  - Fipronil and its degradates
  - Organophosphates
  - Pyrethroids
  - Carbamates

# Some Take Home Messages

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- Pesticides are impairing water quality in the Bay Area and throughout California
- The MRP requires municipalities to have an IPM policy and to implement an IPM program
- Municipal staff & contractors must follow IPM Policy and SOPs
- Avoid the use of pesticides of concern. Track usage
- Report any violations observed to County Ag.

# For more information...

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**[www.FlowsToBay.org](http://www.FlowsToBay.org)**

**[www.OurWaterOurWorld.org](http://www.OurWaterOurWorld.org)**

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