

REPORT

To the Honorable Mayor and City Council
From the City Manager

December 15, 2003

Subject

Integrated Pest Management Policy (IPM) under the Municipal National Pollutant Discharge Elimination System (NPDES) Permit

Recommendation

Adopt Resolution establishing the San Mateo Countywide Stormwater Pollution Prevention Program Model Integrated Pest Management Policy as a citywide policy for Redwood City.

Background

The Environmental Protection Agency, under amendments to the 1987 Clean Water Act, imposed regulations that mandate local government to control and reduce the amount of stormwater pollution runoff into receiving waters of the United States. Under the authority of the Porter-Cologne Water Quality Act, the State Water Resources Control Board has delegated authority to its regional boards to invoke permitting requirements. In July 1991, the San Francisco Bay Regional Water Quality Control Board (RWQCB) notified San Mateo County and all its incorporated cities of the requirement to submit a Municipal National Pollutant Discharge Elimination System (NPDES) Stormwater Permit application and to implement a Stormwater Management Plan (Plan).

Under the direction of the City/County Association of Governments (C/CAG), the San Mateo Countywide Stormwater Management Plan 1998-2003 was submitted to the RWQCB in February 1998. The RWQCB adopted the Plan, making it part of the San Mateo Countywide NPDES Stormwater Permit CA0029921, which remains in effect until July 2004. The Plan includes performance standards to which each member agency is committed to control stormwater pollution.

Under the Plan, the member agencies developed a Pesticide Management Plan that includes goals for minimizing the effects of pesticide use on municipal stormwater quality, actions to achieve those goals, and monitoring mechanisms to document effectiveness of those actions. One of the required actions is adoption of an Integrated Pest Management (IPM) policy and/or ordinance requiring use of IPM techniques in municipal operations, minimizing pesticide use, and restricting use of organophosphate pesticides. Pesticides are defined as: any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any pest. The term applies to herbicides, fungicides, insecticides, rodenticides, molluscicides and other substances used to control pests. Pests can be insects, rodents and other animals, unwanted plants (weeds), bacteria or fungi.

In order for member agencies to adopt IPM policies, the Parks and Recreation Work Group of the STOPPP Municipal Maintenance Subcommittee developed a model policy each agency could adopt by resolution. The goal of the model policy is to protect health and safety, the environment, and water quality, and to provide sustainable solutions for pest control through reduced pesticide use. The model policy recommends municipal use of

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non-pesticide alternatives and least-toxic chemicals, if necessary. Preference will be given to contractors implementing IPM techniques. Employee and contractor pesticide usage will be tracked and reported annually to the State as part of the countywide program reports.

The model policy encourages pilot projects demonstrating landscape and structural pest control activities, requires review of and modifications to purchasing procedures, contracts, service agreements, and employee training practices to support reduced pesticide use, and requires educational outreach and/or support of countywide or regional IPM educational efforts and pesticide-related water quality issues.

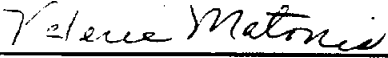

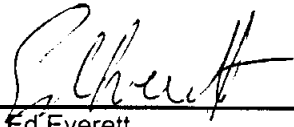
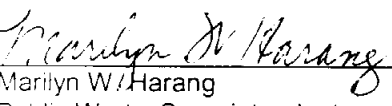
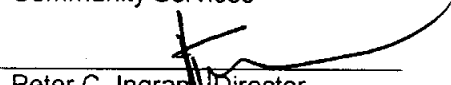
Parks, Recreation and Community Services staff modified the model policy to be specific to the City of Redwood City and recommends adoption as written (See Attachment). City staff was involved in developing the STOPPP model policy, and are already implementing an effective IPM program. Adoption of the policy will formalize the activities already being conducted by City staff.

Alternative

There is no viable alternative to adopting an IPM policy for the City. This is a mandated requirement of the municipal stormwater NPDES Permit No CA0029921.

Fiscal Impact

Since the Parks, Recreation and Community Services Department is already implementing an IPM program based on the model policy, additional fiscal impacts are minimal. The Public Works Services Department has implemented an IPM program which is consistent with the model policy.

 _____ Valerie Matonis, Manager Landscape Maintenance	 _____ Corinne Centeno, Director Parks, Recreation And Community Services	 _____ Ed Everett City Manager
 _____ Marilyn W. Harang Public Works Superintendent	 _____ Peter C. Ingran, Director Public Works Services	

Attachments

Resolution
IPM Policy

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RESOLUTION NO.

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDWOOD CITY ADOPTING THE SAN MATEO COUNTYWIDE STORMWATER POLLUTION PREVENTION PROGRAM INTEGRATED PEST MANAGEMENT POLICY FOR THE CITY OF REDWOOD CITY

WHEREAS, the Environmental Protection Agency, under the 1987 amendments to the Federal Clean Water Act, imposed regulations mandating local governments control and reduce the amount of stormwater pollutant runoff into receiving waters; and

WHEREAS, under the authority of California Porter-Cologne Water Quality Control Act, the State Water Resources Control Board delegated authority to the Regional Water Quality Control Boards to invoke permitting requirements upon counties and cities; and

WHEREAS, in July 1991, the San Francisco Bay Regional Water Quality Control Board (the "Board") notified San Mateo County of the requirement to submit a National Pollutant Discharge Elimination System (NPDES) Permit Application by November 30, 1992; and

WHEREAS, in furtherance of the NPDES Permit process, San Mateo County, in conjunction with all incorporated cities in San Mateo County, prepared the San Mateo Countywide Stormwater Management Plan (the "1998 Plan"); and

WHEREAS, the 1998 Plan was submitted to the Board, approved by the Board and made part of NPDES Permit CA 0029921, issued in 1998 and remaining in effect through 2003; and

WHEREAS, the City of Redwood City (the "City") accepted, adopted, and committed to implement the 1998 Plan and the renewal application and the 1998 Plan was submitted to the Board on March 18, 1998; and

WHEREAS, the Board, after a public hearing, approved the Renewed NPDES Permit CAS0029921, effective July 21, 1999 and which expires July 20, 2004; and

WHEREAS, the 1998 Plan includes a Pesticide Management Plan and performance standards for pesticide usage and integrated pest management. A component of these standards is the adoption by all member agencies of an Integrated Pest Management policy and/or ordinance requiring integrated pest management techniques in municipal operations; and

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WHEREAS, the City of Redwood City seeks to protect the health and safety of its employees and the general public, the environment and water quality, as well as provide sustainable solutions for pest control, through the reduced use of pesticides on property owned or managed by the City to the maximum extent practicable.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF REDWOOD CITY AS FOLLOWS:

1. That The San Mateo Countywide Stormwater Pollution Prevention Program Integrated Pest Management Policy for the City of Redwood City, a copy of which is attached hereto as Exhibit "A" and incorporated herein by reference, is hereby adopted.

* * *

**San Mateo Countywide Stormwater Pollution Prevention Program (STOPPP)
Integrated Pest Management (IPM) Policy for the City of Redwood City**

GOAL

The City of Redwood City seeks to protect the health and safety of its employees and the general public, the environment and water quality, as well as to provide sustainable solutions for pest control, through the reduced use of pesticides on property owned or managed by the City to the maximum extent feasible.

RECOMMENDATIONS

Employees implementing pest management operations will use Integrated Pest Management (IPM) techniques that emphasize non-pesticide alternatives and, when necessary, employ the least toxic chemicals. Preference will be given to contractors who implement IPM. City departments and their contractors that apply pesticides will develop and maintain an active IPM Plan to ensure the long-term prevention and suppression of pest problems with minimum negative impacts on the health and safety of the community and environment. The City of Redwood City will track employee and contractor pesticide use and prepare an annual report summarizing pesticide use and evaluating pest control activities performed.

The City of Redwood City shall encourage pilot projects to demonstrate landscape and structural pest control alternatives, seeking to use the most recent technology, best management practices and least toxic methods for all pest control measures. Pilot projects should include an objective analysis of the effectiveness of the alternative techniques applied.

The City of Redwood City will review its purchasing procedures, contracts or service agreements with pesticide applicators and employee training practices to determine what changes can be made to support the goal of pesticide reduction and promote the purchase and use of the least harmful chemicals.

The City of Redwood City will perform educational outreach and/or support Countywide or regional efforts to educate residential and commercial pesticide users on a) goals and techniques of IPM, and b) pesticide related water quality issues.

BACKGROUND

Pesticides are defined as: any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any pest. Pests can be insects, rodents and other animals, unwanted plants (weeds), bacteria or fungi. The term pesticide applies to herbicides, fungicides, insecticides, rodenticides, molluscicides and other substances used to control pests.

Antimicrobial agents are not included in this definition of pesticides. In general, the intent of antimicrobial agents is to reduce or mitigate the growth or development of microbial organisms. They are used to avoid health hazards and include in-door cleaning, spa and swimming pools, medical sterilizer and sanitizer products.

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Final Draft

Integrated Pest Management (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.

IPM techniques could include biological controls (e.g., ladybugs and other natural enemies or predators); physical or mechanical controls (e.g., hand labor or mowing); cultural controls (e.g., mulching, discing, or alternative plant type selection); and reduced risk chemical controls (e.g., soaps or oils).

City of Redwood City owned or managed property includes but is not limited to parks and open space, roadsides, landscaped medians, flood control channels and other outdoor areas, as well as municipal buildings and structures.