

# **INTEGRATED PEST MANAGEMENT POLICY**

## **1.0 STATEMENT OF POLICY**

This policy sets forth the guiding principles in all City facilities for development and implementation of Integrated Pest Management (IPM). The City of Pleasanton, including all departments and staff herein, and contractors providing pest control services on City facilities shall follow the City's IPM policy for the control and management of pests in and around city buildings and facilities, parks and golf courses, urban landscape areas, rights-of-way, and other City facilities. This policy shall be reviewed at the beginning of each fiscal year ending in an odd number, and modified as necessary in order to keep the City of Pleasanton in compliance with its Stormwater National Pollution Elimination System (NPDES) permit.

## **2.0 PURPOSE AND GOALS**

The goals of the IPM policy and its implementation throughout the City are to:

- 2.1 Minimize pesticide use on City facilities to ensure the City maintains compliance with its Stormwater National Pollutant Discharge Elimination System (NPDES) permit requirements.
- 2.2 Reduce the use of broad-spectrum pesticides that negatively impact water quality, when feasible.
- 2.3 Create awareness among City staff regarding the use of alternative pest management techniques.
- 2.4 Provide a means of educating all City departments to practice the most appropriate approach for managing pests on City facilities.
- 2.5 Reduce the adverse impacts on water quality (both in local creeks and the San Francisco Bay) due to pesticide usage, particularly from copper-based, 2-4-d based herbicides, and organophosphate pesticides.

## **3.0 BACKGROUND**

The City's National Pollutant Discharge Elimination System (NPDES) permit from the California Regional Water Quality Control Board (NPDES Permit, issued to the member agencies of the Alameda Countywide Cleanwater Program requires that the City develops and implements an integrated pest management plan to address urban stream impairment by pesticides. In particular, organophosphate-containing pesticides (e.g., Diazinon and chlorpyrifos) have been found to persist in the environment and

cause water quality impairment in some creeks, streams, and arroyos in Alameda County. The NPDES permit also requires the City to implement measures to reduce discharges of copper into the San Francisco Bay.

Using non-chemical controls, biological controls, and less toxic chemicals instead of using copper-based and organophosphate pesticides, or 2-4-d based herbicides to deal with pest problems, whenever possible, will help to reduce the impact of pesticides in local arroyos and San Francisco Bay.

#### **4.0 DEFINITIONS**

The following definitions are used in this policy:

4.1 Adjacent - For the purpose of this policy, adjacent shall mean the area of flow, and the banks of the ditch, creek or arroyo.

4.2 Best management practices (BMPs) – BMPs are combination of practices determined to be effective, economical approaches for preventing or reducing pollution generated by nonpoint sources.

4.3 Biological control - The use of biological technologies to manage unwanted pests. Examples of this type of control include, but would not be limited to the use of pheromone traps or beneficial insect release for control of certain types of weeds or invasive insects in landscapes.

4.4 Cultural control - The use of IPM control methods such as grazing, re-vegetation, disking, mulching, proper irrigation, seeding, and landscaping with competitive or tolerant species to manage unwanted weeds, rodents or plant diseases.

4.5 Department of Pesticide Regulations (DPR) - for the State of California's Environmental Protection Agency DPR, in partnership with Federal Environmental Protection Agency (EPA) and County Department of Agriculture, oversees all issues regarding the registration, licensing and enforcement of laws and regulations pertaining to pesticides.

4.6 Environmental Stewardship - The strategic approach to pest management in which the IPM practitioners focus on preserving the natural integrity and health of the environment, including public safety, while recommending or applying pest management methods. Environmental Stewardship philosophy helps to create awareness of the BMPs and their relationship to maintaining a healthy environment while conducting pest management activities.

4.7 Integrated Pest Management (IPM) - IPM is the strategic approach that focuses on long-term prevention of pests and their damage from reaching unacceptable levels by selecting and applying the most appropriate combination of available pest control methods. These include cultural, mechanical, biological and chemical technologies that are implemented for a given site and pest situation in ways that minimize economic, health and environmental risks.

4.8 Mechanical controls – Mechanical controls include the use of IPM control methods utilizing hand labor or equipment such as mowers, graders, weed-eaters, and chainsaws. Other examples of mechanical controls include screens on windows and doors, sticky barriers, vacuuming, crack and crevice sealants and closing small entryways (i.e., around pipes and conduits) into buildings for insect and rodent management are also mechanical controls.

4.9 National Pollutant Discharge Elimination Permit (NPDES) – NPDES is a permit issued by the Regional Water Quality Control Board that is required for the discharge of storm waters to receiving waters of the United States

4.10 Operation Services Department (OSD) – City's Operation Services Department (OSD) is tasked with implementation of IPM policy.

4.11 Pest Control Advisor (PCA) - PCA is an individual who is licensed by the California Department of Pesticide Regulations according to Title 3, Article 5 of the California Code of Regulations. A licensed PCA, who is registered with the County Agricultural Commissioner provides written pest control recommendations for agricultural pest management, including parks, cemeteries, and rights-of-way.

4.12 Pesticides - Defined in Section 12753 of the California Food and Agricultural Code as any spray adjuvant, or any substance, or mixture of substances intended to be used for defoliating plants, regulating plant growth, or for preventing, destroying, repelling, or mitigating any pest, as defined in Section 12754.5 (of the Food and Agricultural Code), which may infest or be detrimental to vegetation, man, animals, or households, or be present in any agricultural or nonagricultural environment whatsoever. The term pesticide applies to herbicides, insecticides, fungicides, rodenticides and other substances used to control pests. Anti-microbial agents are not included in this definition of pesticides

4.13 Qualified Applicators License (QAL) - is a licensed applicator according to Title 3, Article 3 of the California Code of Regulations. This license allows supervision of applications that may include residential, industrial, institutional, landscape, or rights-of-way sites.

4.14 Qualified Applicators Certificate (QAC) - is a certificate given to applicators that pass a test given by DPR. This certificate allows supervision of applications that may include residential, industrial, landscape, or rights-of-way sites.

4.15 Structural Pest Control Operator (SPCO- Branch I, II or III) - A licensed applicator for pest control within buildings and homes according to the requirements of the Structural Pest Control Board of the California Department of Consumer Affairs.

## **5.0 PREVENTION**

The City of Pleasanton shall institute practices that reduce pesticide usage and result in the purchase of fewer pesticides whenever practicable and cost-effective, but without compromising safety, workplace quality or quality of service.

The first and most important part of any pest control plan is preventing the conditions that attract pests and result in a pest control problem. All City employees should remember to implement the following housekeeping practices in their workstations, vehicles, break-rooms etc. to prevent the conditions that result in providing a food source and habitat that attract pests:

- 5.1 Keep your workstation/office free of food scraps. Dispose food wastes in a garbage container, which is sealed with a lid.
- 5.2 Do not leave food out overnight. Refrigerate all food or store in pest-proof containers.
- 5.3 Regularly wipe and clean counter top areas and tables where food is prepared and/or consumed.
- 5.4 Keep waste storage/dumpster areas clean and free of litter and debris.
- 5.5 Report pest control problems in a timely manner to the (Department responsible for building maintenance activities).
- 5.6 Use plants with similar water needs in designated areas to help eliminate stress due to improper watering. Excessive watering of plants results in a standing water condition and result in attracting ants and other pest existing in the environment.
- 5.7 Proper watering for landscape areas. Excessive watering of plants results in a standing water condition and result in attracting ants and other pest existing in the environment.

5.8 And Remember: Pests are a symptom. Food Sources and habitat are the real problem.

## **6.0 RESTRICTED CHEMICALS**

City of Pleasanton employees and/or contractors employed by the City who are trained to recommend or apply pesticides shall not apply or promote the use of the following:

6.1 Acute Toxicity Category I chemicals as identified by the Environmental Protection Agency (EPA)

6.2 Organophosphate pesticides (e.g., those containing Diazinon and chlorpyrifos)

6.3 Copper-based pesticides

**Unless** their use is:

a. Judicious

b. Other approaches and techniques have been considered.

c. Adverse water-quality impacts are minimized to the maximum extent practicable.

## **7.0 GUIDELINES FOR APPLICATION OF PESTICIDES**

Licensed Pest Control Advisors or individuals with valid Qualified Applicators License and/or Qualified Applicators Certificate will consider the options or alternatives listed below in the following order, before recommending the use of or applying any pesticide on City facility:

7.1 No controls (e.g., tolerating the pest infestation, use of resistant plant varieties or allowing normal life cycle of weeds)

7.2 Physical or mechanical controls (e.g., hand labor, mowing, etc.)

7.3 Cultural controls (e.g., mulching, disking, alternative vegetation)

7.4 Biological controls (e.g., natural enemies or predators)

7.5 Reduced-risk chemical controls (e.g., soaps or oils)

City employees, Licensed Pest Management Contractors and other appropriately licensed contractors or individuals (QAL, QAC, SPCO), employed to control or manage

pests will follow the City's Integrated Pest Management Policy and utilize generally accepted Best Management Practices to the maximum extent practicable. Pesticide Applicators will use available IPM technologies to ensure the long-term prevention or suppression of pest problems and to minimize negative impacts on the environment, non-target organisms, and human health.

All City departments and employees will promote non-toxic and reduced-risk alternatives for structural and landscape pest control, seeking to use the most up to date IPM technologies and best management practices. The City will provide education for City staff that may use pesticides in the scope of their work regarding IPM practices.

New contracts that are entered into with pest management contractors and other appropriately licensed contractors employed to provide services that involve pesticide application at City-owned facilities after **July 1, 2010** shall include requirements that the contractors follow the requirements of the City's Integrated Pest Management Policy and implement available IPM technologies and best management practices.

City of Pleasanton facilities leaseholders will be informed of the City's IPM Policy, and encouraged to use, whenever practical, available IPM technologies and best management practices.

## **8.0 PESTICIDE APPLICATION**

Only properly trained employees in accordance with the California Department of Pesticide Regulation, or licensed contractors employed by the City may apply pesticides to or within City facility.

City employees who are not authorized and trained in pesticide application are prohibited from using any pesticides, including "over-the-counter brands", in or around the work place. If insects or other pests are infesting a work area, contact Operations Services Department to make an assessment. OSD will seek advice from a Pest Control Advisor for the best method to remove the pests.

City of Pleasanton employees and/or contractors employed by the City who are trained to recommend or apply pesticides will not use or promote the use of organophosphate pesticides (e.g., those containing Diazinon and chlorpyrifos) or copper-based pesticides unless:

8.1 Their use is judicious.

8.2 Other approaches and techniques have been considered.

8.3 Adverse water-quality impacts are minimized to the maximum extent practicable.

When recommending pesticides for use or applying pesticides, the element of Environmental Stewardship must always be taken into consideration. City employees, pest management contractors, and other appropriately licensed contractors employed by the City of Pleasanton will select and apply IPM methods that will have the least impact on water quality and the environment.

City employees or appropriately licensed contractors employed by the City will always avoid applications of pesticides that directly contact water, unless the pesticide is registered under Federal and California law for aquatic use. Pesticides that are not approved for aquatic use will not be applied to areas immediately adjacent to water bodies where through drift, drainage, or erosion, there is a reasonable possibility of a pesticide being transported into surface water.

#### **City Employee and Pest Control Contractor Training for PCA, QAL, QAC or Structural Pest Control Operators (Branch I, II, and III)**

Pest Control Advisors and Applicators, pest management contractors, and other “contract for service providers” servicing city-owned facilities will be licensed by the State of California Department of Pesticide Regulations as a Pest Control Advisor or licensed Qualified Applicator. City employees involved with pesticide applications as a normal part of their job duties and pest management contractors hired by the City will be trained as required by State of California DPR rules, the County Agricultural Commissioner, and/or the Structural Pest Control Board.

City’s OSD responsible for pest management on City facility will provide annual training to all employees who apply pesticides as a normal part of their job duties on:

8.4 Pesticide Safety,

8.5 The City’s IPM Policy, and

8.6 Appropriate Best Management Practices and Integrated Pest Management Technologies supported by the Alameda Countywide Clean Water Program

### **9.0 EDUCATION AND OUTREACH**

The City of Pleasanton, in participation with the Alameda Countywide Clean Water Program, will continue with its existing program to encourage people who live, work, and/or attend school in Pleasanton to:

9.1 Obtain information on IPM techniques to control pests and minimize pesticide use;

9.2 Use IPM technologies for dealing with pest problems.

9.3 Perform pesticide applications according to the manufacturer's instructions as detailed on the products label, and in accordance with all applicable State and Local Laws and Regulations set forth to protect the environment, the public, and the applicator; and properly dispose of unused pesticides and their containers.

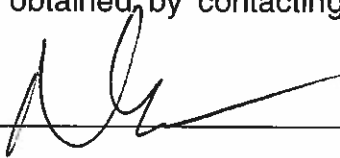
## 10.0 REPORTING REQUIREMENTS

Each City department which uses pesticides, a pest management contractor, or other appropriately licensed contractors employed by the City to provide services that involve pesticide application will be required to submit an **Annual Pesticide Use Summary Report** for each service site. The report shall include an accounting of pesticide use at City-owned facilities and details about the product name, pesticide type (i.e. Pyrethroid, Carbamate, organophosphate, etc.) along with the total quantity of each pesticide used during the prior Fiscal Year (July 1 thru June 30).. **Annual Pesticide Use Summary Report's shall be submitted by July 10<sup>th</sup> of each year to Operation Services Department; Attn: Source Control Inspector.** This information is reported as a part of the City's NPDES Stormwater Permit Annual Report to Regional Water Quality Control Board.

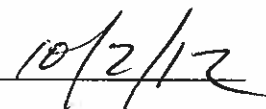
Each City department that applies pesticides will conduct an **Annual Inventory** Prior to **July 1st** of each fiscal year. Each City department subject to this requirement will complete an **Annual Inventory Report Form** (Exhibit A). The form entails section for listing the product name, pesticide type (i.e. Pyrethroid, Carbamate, organophosphate, etc.) and the quantity on hand, as well as, it identifies pesticides that are no longer legal or appropriate for applications per Federal, State, County, or City requirements. **Annual Inventory Reports shall be submitted by July 10<sup>th</sup> of each year to the Operation Services Department; Attn: Source Control Inspector.** This information is reported as a part of the City's NPDES Stormwater Permit Annual Report to Regional Water Quality Control Board.

Additional Forms may be obtained by contacting Operation Services Department at 925-931-5500.

Policy Approved: \_\_\_\_\_



Date: \_\_\_\_\_







## City of Pleasanton

### Annual Pesticide Use Report

**Instructions: Complete all applicable sections. Submit complete report on an annual basis by July 10<sup>th</sup> to the City of Pleasanton's Source Control Inspector and provide annual pesticide use data for each City-owned property or facility where pesticide management and control services are performed. Use reverse side of form to provide a general summary, which highlights integrated pest management practices utilized during the reporting period.**

City Facility/Property:		Reporting Period:	
Address:			Completed by:
Or			Title:
General			Signature:
Description of Locations			
Type of Pest Control	<input type="checkbox"/> Pest Control Contractor* <input type="checkbox"/> Golf Course Staff <input type="checkbox"/> Parks and Trees Staff Applicator: <input type="checkbox"/> Bldg. Maintenance Staff <input type="checkbox"/> Street Maintenance Staff <input type="checkbox"/> Other*: _____		
* Company Name:		Phone Number:	
Product Name/Description	Pesticide Type	Total Quantity Applied in	Reporting Period

Complete Reverse Side of Form  
Attach additional sheets if necessary

