

City of Monte Sereno

Pest Management Performance Standards

STANDARD OPERATING PROCEDURES

A. Implementation of BMPs:

Determining a method of prevention/suppression for managing pest problems

Goal: Choose least-toxic practicable method of pest management on all City-owned or City-managed property

Relevant Staff: Facilities Supervisor

1. Prevention: every effort will be taken to design sites, and choose plantings, with less-toxic pest management goals in mind (example: select new plantings from lists of pest resistant plants compatible with local planting zones).
2. City staff will consult with appropriate supervisor prior to undertaking pest management activities.
3. Follow the City's IPM Policy and Pest Specific IPM Plans, to the maximum extent practicable (MAP) when controlling pests, or contracting with a service to control pests. (See attached City IPM Plan/Policy)
4. Staff member responsible for pest management method will investigate least-toxic alternatives and select least-toxic practicable pest control method.
5. If it is necessary to use a restricted pesticide (such as to ensure public safety), staff will request that contractors use application techniques which will prevent contamination of irrigation runoff, stormwater and creeks. The same holds true for pesticides that are to be avoided, per MAP, based upon the NPDES Stormwater Permit regulations. Pesticides listed in the NPDES Stormwater Permit are shown in **Appendix A**.
6. Any staff or contractor who finds it necessary to use a pesticide listed in Appendix A, must first obtain written authorization from the Facilities Supervisor. Authorizations will be kept on file, within the department.
7. If a pesticide listed in Appendix A must be used, justification for its use, along with details on date, location, and quantity, will be forwarded to WVCWP for NPDES reporting requirements.

City of Monte Sereno

Pest Management Performance Standards

STANDARD OPERATING PROCEDURES

B. Implementation of BMPs: Pesticide preparation and application

Goal: Avoid pesticide exposure to people, animals and the environment to the maximum extent practicable when using pesticides on all City-owned or City-managed property. Minimize amount of pesticides applied.

Relevant Staff: Facilities Supervisor (directing Landscaping and/or Pest Control contractors)

1. If it has been determined that pesticides must be applied to a site:
 - a. *Avoid contamination of water:* Avoid application and preparation of pesticides near areas with potential for chemicals to reach water bodies through runoff or drift (i.e. stormdrains, creeks, drainage ditches, etc.).
 - b. *Proper conditions:* Ensure pesticide will be used in proper conditions (i.e. make sure weather is appropriate for application).
 - c. *Application Equipment:* Determine that contractors periodically check equipment for possible leaks. Do not use leaking equipment until it is fully repaired.
 - d. *Personal Safety Equipment:* Contractors must use the appropriate safety equipment (i.e., boots, gloves, respiratory equipment, protective clothing, eye protection, and headwear) as required for pesticide category.
 - e. *Site Safety:* Contractors will make sure necessary supplies are on hand to contain spills or leaks. (e.g., absorbent materials, cleaning supplies, holding containers) Also, make sure that clean water, soap, and single use towels are on site for emergency decontamination.
 - f. *Safety Notifications:* Make sure that appropriate notifications are made and/or postings placed at the application site. Prevent public access to the area during applications.

D. Staff Training in Pest Management

Goal: Appropriate staff will receive training in documentation and reporting of pesticide use, and least-toxic pest management options.

Relevant Staff: Facilities Supervisor

1. Employees involved in pest management activities will receive training and information on Integrated Pest Management and Least Toxic Pest Management techniques and policies. All City staff involved in maintenance and pest management will:

City of Monte Sereno

Pest Management Performance Standards

STANDARD OPERATING PROCEDURES

- a. receive training regarding the latest IPM technology information and IPM application methods.
 - b. receive training on the City's Integrated Pest Management Plan/Policy and Pest Specific IPM Plans.
3. Training Recordkeeping and Reporting: Facilities Supervisor will provide information on any training to the City's Stormwater representative or directly to WVCWP. Records are required for the NPDES Stormwater Permit Annual Report.

E. Pest Management Contractors

Goal: Ensure that contractors engaging in pest control (whether using insecticides or herbicides) are either certified in IPM/less-toxic pest management techniques, or, are regulated by contract to use IPM techniques to the maximum extent practicable.

Relevant Staff: Facilities Supervisor

1. Contractors involved in pest management activities will receive, read, and sign written acknowledgment of the City's IPM Plan/Policy and these Standard Operating Procedures.
 - a. Facilities Supervisor will ensure that contractors are following the IPM Plan/Policy and SOPs, via at least one of the following methods:
 - review of listing of pesticides and active ingredients used,
 - meetings with contractors to review pest control plans
 - requiring contractors to obtain City Supervisory staff approval before using pesticides

F. Evaluation of Effectiveness of BMPs and SOPs

Goal: Continually evaluate BMPs and SOPs for effectiveness and ensure that they are being followed properly; make revisions as necessary.

Relevant Staff: Facilities Supervisor

1. Review IPM Policy, Pest Management Plans and the Standard Operating Procedures. Determine whether BMPs and SOPs continue to be effective. Identify any changes needed in those sections, especially in relation to changes in any Federal, State and County pesticide regulations.
2. Inform City's Stormwater representative (or WVCWP), in writing, of any need for changes and improvements to the BMPs, SOPs or the Performance Standards. Reporting of changes is necessary for the NPDES Permit Annual Report.

City of Monte Sereno

Pest Management Performance Standards

STANDARD OPERATING PROCEDURES

APPENDIX A

Pesticides of Urban Water Quality Concern:

These chemicals are to be used only when no equivalent, less-toxic alternative exists, or an alternative has been tried and failed, or when immediate pest control is necessary due to public safety concerns.

As stated in the Municipal Regional Stormwater (NPDES) Permit, the pesticides listed below are Urban-use pesticides of concern to water quality, and their use should be avoided to the maximum extent practicable.

- Organophosphates
(diazinon, chlorpyrifos, malathion and similar)

- Carbamates
(Carbaryl)

- Fipronil

- Pyrethroids
(bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda-cyhalothrin, tralomethrin, and similar)

- Indoxacarb

- Diuron

- Diamides