

Environmental Standard Operating Procedure			
Originating Office:  <b>Environmental Management Department</b>	Revision: Original	Prepared By:  Waste Management Department	Approved By:  William Moog
File Name: PHG-ESOP	Effective Date: 22 Feb 2007	Document Owner: Kevin McGuinness	

## Title: Pesticide / Herbicide - General

### 1.0 PURPOSE

The purpose of this Standard Operating Procedure (SOP) is to provide environmental guidelines for pesticide and herbicide application.

### 2.0 APPLICATION

This guidance applies to those individuals applying pesticides and herbicides aboard Marine Corps Air Station (MCAS) Miramar.

### 3.0 REFERENCES

- 40 CFR 152-180 (Code of Federal Regulations)
- Marine Corps Air Station (MCAS) Miramar Pest Management Plan
- DoD Instruction 4150.7
- OPNAVINST 6250.4B
- MCO P5090.2A Chapter 14; Appendix F-1 and F-2 (USMC Environmental Compliance and Protection Manual)

### 4.0 PROCEDURE

#### 4.1 Discussion:

Pesticides and herbicides pose serious danger to human health and the environment if not properly handled and applied. State, federal, and Marine Corps regulations require that pesticides and herbicides be stored and applied properly and that equipment used for application is cleaned according to established procedures. OPNAVINST 5100.23 CH 1

#### 4.2 Operational Controls:

The following procedures apply:

1. Ensure MSDSs for all materials are available and current.

2. Only approved pesticides authorized by the Pesticide Approval Spreadsheet (PAS) may be used aboard the installation.
3. All personnel must be properly trained and certified in the application of pesticides and herbicides to include the following:
  - a. Cat. 3. Ornamental and Turf,
  - b. Cat. 5. Aquatic,
  - c. Cat. 6. Right-of-Way,
  - d. Cat. 7. Industrial, Institutional, Structural, and Health-Related, and
  - e. Cat. 8. Public Health
4. Follow operations set forth in Pest Management Plan (PMP).
5. Ensure pesticides and herbicides are stored in accordance with MCO P5090.2A and PMP.
6. Ensure pesticides and herbicides are applied only in accordance with LABEL.
7. Clean all applicators and dispose of in accordance with label.
8. Clean all clothing used during applications and vehicle at designated facilities and separate from regularly laundered clothing.
9. Maintain a daily record that records each application of pesticides and herbicides.
10. Submit all reports to the Station Pest Management Coordinator using the PAS system for all pesticide and herbicide application.
11. Keep a spill kit nearby.
12. Keep fire extinguisher nearby.
13. Keep PPE (Personnel Protective Equipment) on hand.
14. Turnover folder information must be kept for this Standard Operating Procedure.
15. If there are any specific situations or other concerns not addressed by this procedure, contact MCAS Miramar Environmental Management Department S-7 Office.

#### **4.3 Documentation and Record Keeping:**

The following records must be maintained:

1. Labels for use
2. MSDS for all hazardous material.
3. Daily records of each application of pesticides and herbicides
4. Inspection and training records.

**4.4 Training:**

All affected personnel must obtain appropriate training and certifications as well as follow DoD instructions and guidance.

1. Hazard Communications training.
2. General Environmental Awareness training.
3. Current DoD or State Pesticide Applicator's License
4. Refer to DoD Plan 4150.7-M: DoD Pest Management Training and Certification Manual.

**4.5 Emergency Preparedness and Response Procedures:**

Pest Management Coordinator (PMC) must ensure that spill kits be accessible in all pest management vehicles and storage facilities. Pesticides shall be stored in a bermed area without floor drains. Spills must be managed following the Station Spill Contingency Plan guidelines. In case of an emergency call MCAS Miramar Fire Department at 9-911

**4.6 Inspection and Corrective Action:**

The Pest Management Coordinator (PMC) shall ensure that all pest management operations and inspections be reported to NAVFAC entomologists at least quarterly. The PMC shall ensure deficiencies noted during the inspections are corrected immediately. Actions taken to correct each deficiency shall be recorded on the inspection sheet.

Pesticide/ Herbicide - General- Inspection Checklist	
Date:	Time:
Installation:	Work Center:
Inspector's Name:	Signature:

Inspection Items	Yes	No	Comments
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1. Are all applicable MSDSs readily available and current? <i>(29 CFR 1910)</i>			
2. Are only approved pesticides/herbicides that have been authorized by the Pesticide Approval Spreadsheet (PAS) applied aboard the installation? <i>(MCO P5090.2A)</i>			
3. Are all personnel who apply pesticides/herbicides properly trained/certified in the application of pesticides/herbicides to include the following:  a. Cat. 3. Ornamental and Turf  b. Cat. 5. Aquatic  c. Cat. 6. Right -of-Way  d. Cat. 7. Industrial, Institutional, Structural, and Health-Related  e. Cat. 8. Public Health  f. Some may also hold a certification in Cat. 11, Aerial Application.  <i>(MCO P5090.2.A; MCAS Miramar Pest Mgmt Plan)</i>			
4. Have all pesticides/herbicides in use been determined necessary and have alternative options been identified? <i>(40 CFR 152-180; MCO P5090.2.A; MCAS Miramar Pest Mgmt Plan)</i>			
5. Is the cleaning of applicators done at the application site? <i>(MCO P5090.2.A; MCAS Miramar Pest Mgmt Plan)</i>			
6. Is clothing material used during the process of pesticide application cleaned in an approved laundry facility separate from regularly laundered clothing? <i>(MCO P5090.2.A; MCAS Miramar Pest Mgmt Plan)</i>			
7. Is pesticide/herbicide material stored in appropriate containers inside storage building(s)? <i>(MCO P5090.2.A; MCAS Miramar Pest Mgmt Plan)</i>			
8. Are signs posted in pesticide storage areas? <i>(29 CFR 1910; MCO P5090.2.A)</i>			
9. Is there a spill kit stored near potential spill areas? <i>(29 CFR 1910; MCO P5090.2.A)</i>			
10. Is there a fire extinguisher stored near potentially flammable materials? <i>(29 CFR 1910; (MCO P5090.5)</i>			
11. Is PPE kept near any areas with potential health hazards? <i>(29 CFR 1910; MCO P5090.2.A)</i>			

12. Is a daily record/logbook maintained of each application of pesticide/herbicide? <i>(MCO P5090.2.A; MCAS Miramar Pest Mgmt Plan)</i>			
13. Are training and inspection records maintained and available for inspection? <i>(MCO P5090.2A 9104.1(k)(5)- inspection only)</i>			

**ADDITIONAL COMMENTS:**

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**CORRECTIVE ACTION TAKEN:**

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**Environmental Compliance Coordinator**

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

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