

Environmental Standard Operating Procedure			
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File Name: RF1-ESOP	Effective Date: 06 Sep 2007	Document Owner: EMD	

Title: Recreational Facilities 1 - Aviation Museum

1.0 PURPOSE

The purpose of this Environmental Standard Operating Procedure (ESOP) is to provide environmental guidelines for managing aviation museum operations and maintenance (O&M) activities.

2.0 APPLICATION

This guidance applies to those individuals who perform daily aviation museum O&M activities onboard Marine Corps Air Station (MCAS) Miramar.

3.0 REFERENCES

- 29 CFR 1910 (Code of Federal Regulations)
- 40 CFR 262, 265
- MCO P4790.2C (Marine Corps Integrated Maintenance Management System Field Procedures Manual)
- MCO P5090.2A (Marine Corps Environmental Compliance and Protection Manual)
- MCO P5100.8F (Marine Corps Occupational Safety and Health Program Manual)
- StaO 5090.7 (Station Order)
- StaO P13810.1
- SDAPCD Permit to Operate (San Diego Air Pollution Control District)
- OHSS/SPCC Plan

4.0 PROCEDURE

4.1 Discussion:

Aviation museum operations entail restoring retired aircraft for public viewing. The use of hazardous materials such as oil based paints, spray paint, strippers, and petroleum, oils, and lubricants (POL) impact air quality as does the sandings and grindings from aircraft surfaces. Hazardous wastes are generated from waste paint, spray paint cans and used fuel. All hazardous materials must be stored in approved containers. Units should contact the Environmental Management Department (EMD) for replacement of or to request additional containers.

4.2 Operational Controls:

The following procedures apply:

1. Ensure that material safety data sheets (MSDSs) for all materials associated with this practice are current and available for inspection.
2. Ensure that all required permits are current and available for inspection (e.g., station and county air, etc.).
3. Ensure required training records and certifications are current and available for inspection for unit personnel.
4. Wear appropriate personal protective equipment (PPE) including eye protection, face shields, tyvek suits, aprons, gloves, steel-toed boots, respirators, hard hats, coveralls and hearing protection as necessary.
5. Maintain fully stocked spill kits and fire extinguishers nearby in designated locations.
6. Ensure exhaust hood or ventilation is on when using solvents, paints, and strippers.
7. Limit use of the paint booth to no more than 20 gallons of paint per day.
8. Use an approved air filter of 25,000 cubic feet per minute (cfm) air flow capacity.
9. Ensure dates and times of paint booth operation and total cumulative hours of operation are recorded in a daily log book.
10. Use the blasting cabinet for all abrasive blasting operations. Ensure cabinet is completely sealed to contain all blasting media and removed surface coatings/materials.
11. Collect and return all used blasting bead media to the manufacturer for proper recycling or disposal.
12. Conduct periodic maintenance as recommended by manufacturer.
13. Store all usable hazardous materials (strippers, paint, POL) in the hazardous materials (HAZMAT) locker.
14. Collect and store all hazardous waste in approved containers equipped with lids authorized for use intended. Check containers for deterioration and structural integrity.
15. Properly label all containers completely with a Hazardous Waste label once the first drop is added using a permanent marker.
16. Manage hazardous waste according to established hazardous waste accumulation standard operating procedures (SOPs).
17. Inspect secondary containment and storage areas to ensure they are free of leaks and/or spill hazards.

18. Ensure that all inspection records are maintained and available for examination for up to three years.
19. Properly clean up all spills as soon as they are identified and report the spill to the supervisor and EMD.
20. Record all spills in a spill log book detailing the spill date, time, product spilled, quantity, location, cleanup actions taken and the name of the person reporting the spill and ensure that a spill report containing this information is submitted to the EMD.
21. Place used rags in approved containers for recycling or disposal.
22. Ensure that warning signs such as “Hazardous Materials Storage” and “No Smoking” are clearly visible and legible from a distance of 25 feet in any direction.
23. If there are any specific situations or other concerns not addressed by this procedure, contact the EMD.

4.3 Documentation and Record Keeping:

The following records must be maintained:

1. MSDSs for all materials associated with this practice.
2. Required permits.
3. Training records and certifications for personnel.
4. Operation manuals.
5. Daily log book.
6. Hazardous materials inventory (must match Authorized Usage List).
7. Hazardous waste log book.
8. Spill log book.
9. Scheduled maintenance log book.

4.4 Training:

All personnel must be trained in this ESOP, to include the following, as applicable:

1. Hazard Communication (HazCom) training.
2. First Responder Operations (FRO) Course and/or

3. FRO Refresher Course.
4. Preventative maintenance training.
5. On-the-job training.

4.5 Emergency Preparedness and Response Procedures:

Refer to Marine Corps Order (MCO) P5090.2A, Subject: Oil/Hazardous Substance Spills (OHSS) and Spill Prevention Control & Countermeasures (SPCC) Plan for MCAS Miramar.

4.6 Inspection and Corrective Action:

The Environmental Compliance Coordinator (ECC) shall perform or designate personnel to perform inspections. The ECC shall ensure deficiencies noted during the inspections are corrected immediately. Actions taken to correct each deficiency shall be recorded on the inspection sheet.

Recreational Facilities 1, Aviation Museum – Inspection Checklist	
Date:	Time:
Installation:	Work Center:
Inspector’s Name:	Signature:

Inspection Items	Yes	No	Comments
1. Are MSDSs current and available for inspection? <i>(29 CFR 1910, MCO P5100.8F)</i>			
2. Are all permit requirements adhered to? <i>(MCO P5090.2A)</i>			
3. Are required training records and certifications maintained for all unit personnel? <i>(MCO P5090.2A)</i>			
4. Is appropriate PPE worn as necessary? <i>(29 CFR 1910, MCO P5100.8F)</i>			
5. Are spill kits and fire extinguishers kept nearby in a designated location? <i>(29 CFR 1910, MCO P5100.8F)</i>			
6. Is exhaust hood or room ventilation on when using solvents, paints, and strippers? <i>(29 CFR 1910, MCO P5100.8F)</i>			

7. Is use of the paint booth limited to no more than 20 gallons of paint per day? <i>(MCO P5090.2A, SDAPCD Permit)</i>			
8. Is air flow capacity of air filter 25,000 cfm? <i>(MCO P5090.2A, SDAPCD Permit)</i>			
9. Are dates and times of paint booth operation and total cumulative hours of operation recorded in a daily log book? <i>(MCO P5090.2A, STAO13810.1, SDAPCD permit)</i>			
10. Is blasting cabinet completely sealed to contain all blasting media? <i>(MCO P5090.2A, STAO13810.1, SDAPCD permit)</i>			
11. Is all used blasting bead media collected and returned to the manufacturer for proper recycling or disposal? <i>(MCO P5090.2A, STAO13810.1, SDAPCD permit)</i>			
12. Is periodic maintenance conducted as recommended by manufacturer? <i>(MCO P5090.2A)</i>			
13. Are all usable hazardous materials (oil, grease, paint) stored in the hazardous materials (HAZMAT) locker? <i>(MCO P5090.2A)</i>			
14. Is hazardous waste collected and stored in approved containers equipped with lids authorized for use intended. Are all containers free from cross-contamination and incompatible wastes stored separately? <i>(40 CFR 262, MCO P5090.2A)</i>			
15. Are all containers labeled completely once the first drop is added using a permanent marker. <i>(40 CFR 262, MCO P5090.2A)</i>			
16. Is hazardous waste handled according to established hazardous waste accumulation SOPs? <i>(MCO P5090.2A)</i>			
17. Are secondary containment and storage areas inspected to ensure they are free of leaks and/or spill hazards? <i>(40 CFR 262, MCO P5090.2A)</i>			
18. Are all inspection records maintained and available for examination for up to three years? <i>(MCO P5090.2A)</i>			
19. Are all spills cleaned up immediately and reported to the supervisor and EMD? <i>(40 CFR 262, MCO P5090.2A)</i>			
20. Are spills recorded in a spill log book detailing the spill date, time, product spilled, quantity, location, cleanup actions taken and the name of the person reporting the spill? <i>(40 CFR 262, MCO P5090.2A)</i>			
21. Are used rags placed in approved containers for disposal			

or recycling? (40 CFR 262, MCO P5090.2A)			
22. Are warning signs clearly visible and legible from a distance of 25 feet in any direction? (40 CFR 265)			

ADDITIONAL COMMENTS:

CORRECTIVE ACTION TAKEN:

Environmental Compliance Coordinator

Name: _____

Signature: _____

Date: _____