

Environmental Standard Operating Procedure			
Originating Office: Environmental Management Department	Revision: 0 Supersedes:	Prepared By: Waste Management Division	Approved By: William Moog
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Title: Aircraft Washing

1.0 PURPOSE

The purpose of this Standard Operating Procedure is to provide environmental guidelines for the management of aircraft wash racks.

2.0 APPLICATION

This guidance applies to those individuals working with aircraft wash racks aboard Marine Corps Air Station (MCAS) Miramar.

3.0 REFERENCES

- 40 CFR (Code of Federal Regulations) Part 403.5
- 29 CFR (Code of Federal Regulations) Part 1910.1200
- MCO 5090.2A (USMC Environmental Compliance and Protection Manual)
- NAVAIR A1-F18AC-MRC-250 (14 Day)
- NAVAIR A1-F18AC-PCM-000
- Storm Water Discharge Management Plan (SWDMP)
- San Diego Municipal Code 64.0500, Industrial User Discharge Permit 05-1019 (IUDP)
- Clean Water Act (CWA) 33 U.S.C. 1251-1387
- California Regional Water Quality Control Board
- Environmental Standard Operation Procedures (ESOP) for Oil/Water Separators

4.0 PROCEDURE

4.1 Discussion:

Washing and cleaning is an essential element of aircraft and helicopter maintenance, and is critical to the mission of the Marine Corps Air Station (MCAS) Miramar. However, wastewater from aircraft and helicopter washing is typically contaminated with sediment (sand, dirt, grit, mud, and similar materials) and oil/fuel. Sediment and oil/fuel can interfere with the performance of the MCAS Miramar wastewater collection and treatment systems. To prevent this, each wash rack aboard the MCAS Miramar discharges to an oil/water

separator (OWS) to remove oil and sediment. To ensure that OWSs operate effectively, they must be periodically inspected and cleaned.

4.2 Operational Controls:

The following procedures apply:

1. Do not use soaps, detergents, cleansers, degreasers, or solvents unless specifically authorized in writing by NAVAIR/NATOP instruction and approved by the station's AUL list.
2. Disposal of excess materials or wastes such as oils, fuels, antifreeze, solvents, and paint is prohibited.
3. Aircraft and helicopter maintenance is prohibited on the wash rack.
4. All hoses must utilize a nozzle to prevent the constant free flow of water into the wash rack.
5. Ensure high-pressure washers are used and maintained according to manufacturer's recommendations if applicable.
6. Wash rack drains and catch basins shall be kept clean of trash and debris.
7. Notify PWD immediately of any leaks, drain blockage or other malfunction. Follow up with a work request.
8. Weekly inspections shall be conducted and maintained on file for no less than three years.
9. Turnover folder information shall be kept for this Standard Operating Procedure.
10. If there are any specific situations or other concerns not addressed by this procedure, contact Environmental Management Department Office

4.3 Documentation and Record Keeping:

The following records shall be maintained for aircraft and helicopter wash rack management:

1. Inspection and training records maintained on file for no less than three years.
2. Service or maintenance records and work request tracking information for wash rack.

4.4 Training:

All affected personnel must be trained in this Standard Operating Procedure and the following:

1. General Environmental Awareness Training.
2. MCAS Miramar Oil and Hazardous Substances Spill Contingency Plan.

4.5 Emergency Preparedness and Response Procedures:

All personnel must be trained by the Environmental Compliance Coordinator (ECC) in the proper implementation of the Emergency Response Plan. Refer to 29 CFR 1910.178 – MCAS Miramar Hazardous Waste Management Plan (HWMP) Sect. 25 – MCAS Miramar Oil and Hazardous Substances Spill Contingency Plan. Call 9-1-1

4.6 Inspection and Corrective Action:

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

Aircraft Wash rack - Inspection Checklist	
Date:	Time:
Installation:	Work Center:
Inspector's Name:	Signature:

Inspection Items	Yes	No	Comments
1. Is general housekeeping satisfactory (i.e., no ground discoloration or odors/chemical smell)? (SWDMP; IUDP 05-1019)			
2. Is there evidence of unauthorized substance (i.e., detergents, solvents, antifreeze, etc.) present in the drains or catch basins? (SWDMP; IUDP 05-1019)			
3. Are catch basins and drains free of sand, trash, and debris? (SWDMP; IUDP 05-1019)			
4. Is there evidence of maintenance activities, aircraft and helicopter parking, and equipment storage on the wash rack? (CFR 40 Part Pretreatment)			

5. Are all hoses equipped with a nozzle to prevent the constant free flow of water into the wash rack? (IUDP 05-1019)			
6. Are service calls, and maintenance work requests tracked and logged in a logbook? (IUDP 05-1019)			
7. Are training and inspection records maintained and available for inspection? (IUDP 05-1019)			

ADDITIONAL COMMENTS:

CORRECTIVE ACTION TAKEN:

Environmental Compliance Coordinator

Name: _____

Signature: _____

Date: _____