

Environmental Standard Operating Procedure			
Originating Office: MCAS Yuma Environmental Department	Revision: Draft Supersedes:	Prepared By: Bill Shepherd	Approved By: Mr. David Rodriguez
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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 MCAS Yuma.

3.0 REFERENCES

- **Environmental Protection Agency (EPA) Waste Water Discharge Requirements and Monitoring and Reporting Forms for USMC – City of Yuma Wastewater Treatment Plant, Yuma, Arizona.**
- **Environmental Standard Operating Procedures (ESOP) for Oil/Water Separators.**
- **Combat Center Order 5090.5A, Subject: Integrated Contingency and Operations Plans (ICOP) for Marine Corps Air Ground Combat Center**
- **Storm Water Pollution Prevention Plan(SWPPP)**

Documents that are controlled by MCAS Yuma in accordance with *EMP-10, Document Control*, are shown in **bold**.

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 MCAS Yuma. 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 Combat Center's wastewater collection and treatment systems. To prevent this, each washrack aboard MCAS Yuma 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 the Environmental Department Office.
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 FMD 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 MCAS Environmental Department.

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.

4.5 Emergency Preparedness and Response Procedures:

Refer to MCAS Station Order 6280.5G, Subject: Integrated Contingency and Operations Plans (ICOP) for Marine Corps Air Station Yuma

4.6 Inspection and Corrective Action:

The Environmental Compliance Officer (ECO) shall designate personnel to perform inspections. The ECO 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 Washrack - 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)?			
2. Is there evidence of unauthorized substance (i.e., detergents, solvents, antifreeze, etc.) present in the drains or catch basins? <i>CFR 40 Part 403 Pretreatment</i>			
3. Are catch basins and drains free of sand, trash, and debris?			
4. Is there evidence of maintenance activities, aircraft and helicopter parking, and equipment storage on the washrack? <i>CFR 40 Part 403 Pretreatment</i>			
5. Are all hoses equipped with a nozzle to prevent the constant free flow of water into the wash rack?			
6. Are service calls, and maintenance work requests tracked and logged in a logbook?			
7. Are training and inspection records maintained and available for inspection?			

ADDITIONAL COMMENTS:

CORRECTIVE ACTION TAKEN:

Environmental Compliance Coordinator

Name: _____

Signature: _____

Date: _____