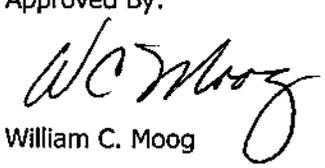


Environmental Standard Operating Procedure			
Originating Office: MCAS Miramar Environmental Management Department	Revision: Original	Prepared By: Engineering Division	Approved By:  William C. Moog
File Name: MFWA-ESOP	Effective Date: 1 March 2013	Document Owner: H. Baylon	

Title: Mobile Facilities Washing & Cleaning

1.0 PURPOSE

This Standard Operating Procedure is to provide supplemental environmental guidelines for Mobile Facilities washing & cleaning on impervious surface other than at a designated wash rack connected to a sanitary sewer system or treatment facility.

2.0 APPLICATION

This guidance applies to those individuals working with Mobile Facilities aboard Marine Corps Air Station (MCAS) Miramar.

3.0 REFERENCES

- NAVAIR 19-600-152-6-2 (91 Day) Rev 01 August 2010
- MCO 5090.2A (USMC Environmental Compliance and Protection Manual)
- 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

4.0 PROCEDURE

4.1 Discussion:

This ESOP is to provide and supplement environmental requirements to the Technical Manual, Periodic Maintenance (PM) Requirements for Mobile Facilities (NAVAIR 19-600-152-6-2, Rev 01Aug10). Performing PM such as washing and cleaning is necessary to preserve the integrity of the Mobile Facilities from corrosion either from use and outdoor exposure. However, wash water generated from washing and cleaning Mobile Facilities is typically contaminated with sediment (sand, dirt, grit, mud, and similar materials) and possibly other traces of materials associated with the operation and maintenance such as hydrocarbons, (oil and grease), toxic chemicals (solvents, chlorinated compounds), heavy metals acids and alkalis. Untreated, these contaminants can be storm water pollutants damaging our natural environment and potentially violate storm water regulations. If

possible, Mobile Facilities should be washed and cleaned at a designated wash rack connected to a sanitary sewer system or treatment facility. If washing & cleaning must occur on an impervious surface with no practical options to divert the wash water to a sanitary sewer system or treatment facility, Best Management Practices (BMP's) shall be imposed to avoid possible pollutants to the storm water conveyance system.

4.2 Operational BMP's Controls on Impervious Pavement Without Wash Water Treatment:

The following BMP's apply:

1. Perform PM of washing and cleaning during dry periods only.
2. Use soaps, detergents, cleansers, degreasers, or solvents specifically authorized by NAVAIR/NATOP instruction and approved by the station's AUL list only.
3. Use minimal water, if possible by mist and wipe.
4. Identify and seal associated storm drains near the wash area.
5. Contain the wash area by berming* the low runoff collection area.
6. Collect captured wash water by wet vacuum or other means.
7. After washing & cleaning, lightly rinse the wash area with water only, repeat line 6.
8. Discharge collected wash water to the sanitary sewer system or treatment facility.
9. Collect accumulated sediment & debris if necessary, dispose properly.
10. If there are any specific situations or other concerns not addressed by this ESOP, contact the Environmental Management Office at 577-1108.

*Berming materials such as but not limited to:

Sand Bags or Non absorbent Booms, socks or pillows used for oil spill containment or any berm material that will capture and retain flow.

4.3 Training:

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

1. General Environmental Awareness Training.

4.4 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