

Environmental Standard Operating Procedure			
Originating Office: Environmental Management Department	Revision: Version 1	Prepared By: Waste Management Division	Approved By: Vanessa Capestany
File Name: LABR-ESOP	Effective Date: 1 Jan 2025	Document Owner: WMD	

Title: LEAD ACID BATTERY RECYCLING

1.0 PURPOSE

The purpose of this Standard Operating Procedure is to provide environmental guidelines for the management of lead acid batteries.

2.0 APPLICATION

This guidance applies to those individuals working or residing aboard MCAS Miramar.

3.0 REFERENCES

- 40 CFR 261
- 22 CCR 66273
- 29 CFR 1910
- MCAS Miramar Hazardous Waste Management Plan.

4.0 PROCEDURE

4.1 Discussion:

Lead acid batteries may be hazardous to human health and the environment if not properly handled. In the State of California, many types of batteries are managed as Universal Waste. Batteries covered under this ESOP include: sealed lead acid, aircraft lead acid and automotive type lead acid batteries. These batteries may be managed under Universal waste or hazardous waste regulations, or under exemption.

4.2 Operational Controls:

Understanding which regulation or exemption to manage your lead acid batteries is important, and is described below. Regardless of how these batteries were used, the batteries must not be discarded in the trash. Used batteries are turned into the Organization's Hazardous Waste Coordinator (HWC) or the Environmental Department, Compliance Section after being properly labeled for disposal or recycling.

The following procedures apply:

1. Small sealed lead acid and Aircraft batteries: These batteries must be managed as Universal Waste (UW). Refer to StaO 5090. 5_ for management requirements of UW.
2. Automotive type batteries: These batteries are of the size that would normally be used in a vehicle, not large forklift batteries.
 - Batteries that have a damaged case, or may be missing fill caps are considered hazardous waste and must be managed as such.
 - Batteries that are intact need to be marked with the words “BAD” and with the date removed from service. These batteries will be recycled and are managed under an exemption.
 - Accumulation of these batteries is limited to 1 year if less than one ton.
 - Accumulation of greater than one ton is limited to 180 days.

4.3 Recycling of waste lead acid batteries.

1. All types of lead acid batteries will be accumulated or transferred to the 90 day site. Conduct your supporting Environmental Protection Specialist to coordinate a drop off time and date.
2. When dropping batteries at the 90 day site, be sure to have the batteries weighed and logged into the battery logbook. Also ensure that your unit’s waste transfer log is anotated
3. Environmental Department personnel are responsible for the recycling of these lead acid batteries. These batteries will be put out for bid, by the recycling program manager, and shipped out on a Bill of Laden.