



MAGTFTC-MCAGCC 29 Palms

Environmental Standard Operating Procedure



1 October 2025

Universal Waste (UVW)

Application and Purpose

This guidance applies to personnel who handle, store, and dispose of universal waste aboard Marine Air Ground Task Force Training Command (MAGTFTC), Marine Corps Air Ground Combat Center (MCAGCC) Twentynine Palms ("installation").

This document provides environmental protection guidelines for the proper handling, storage, and disposal of universal waste.

Procedures

The storage and handling of universal waste must be properly managed to prevent harm to human health and the environment.

Universal waste is a category of waste materials designated as "hazardous waste" but that contain very common materials. Universal waste is defined in 40 *Code of Federal Regulations* (CFR) 273.9. by the U.S. Environmental Protection Agency and applies to five types of universal wastes. Additionally, the California Environmental Protection Agency has enacted regulations regarding universal waste management. These regulations are intended to protect human health and the environment and foster resource conservation.

Universal waste includes the following:

- Batteries, such as lithium, alkaline, nickel metal hydride battery, silver ion, nickel cadmium, or lead acid
- Toner cartridges
- Mercury-containing equipment, such as thermostats or thermometers
- Light bulbs, such as fluorescent, high-intensity discharge, neon, mercury vapor, high-pressure sodium, and metal halide lamps
- Aerosol cans, such as spray paints, lubricants, solvents, and adhesives

California also classifies the following items as universal waste:

- Electronic devices: Any electronic equipment with or without a cathode ray tube, such as cell phones, telephones, computer central processing units, printers, videocassette recorders, computer keyboards, computer mouse, and portable DVD players that exhibits hazardous waste characteristics

- Photovoltaic modules: Modules include any device consisting of, or containing, one or more electrically connected photovoltaic cells that are designed to convert solar radiation into electrical energy (solar panels)

Operational Controls

The following controls apply:

- Proper Identification and Labeling

Contact the Environmental Affairs Hazardous Waste Management Branch via phone at (760) 830-7244/5402 for programmatic support and guidance, including container support and labeling requirements.

- Storage Requirements

- Store universal waste in a secure area to prevent breakage or leaks.
- Keep containers closed when not adding or removing waste.
- Separate different types of universal waste to prevent cross contamination.

Training Requirements

All affected personnel must be trained in this document and the following:

- General Environmental Awareness training

Recordkeeping

There is no required record keeping for this ESOP.

Emergency Preparedness and Response Procedures

Refer to the Combat Center Order 5090.1K and Integrated Contingency and Operations Plan for MCAGCC.

Inspection and Corrective Action

The Environmental Compliance Coordinator (ECC) will confirm unit adherence to this ESOP. The ECC will confirm that unit personnel are trained in this ESOP and maintain appropriate documentation in accordance with this ESOP. If this ESOP contains an enclosed inspection checklist, designated personnel will conduct the inspections using this ESOP as guidance and document the inspections via the enclosed checklist. If deficiencies are discovered during an inspection, the ECC will ensure immediate corrective action is taken and that all deficiencies and corrective actions are recorded on the enclosed checklist.

References

(a) CFR, Title 40

(b) California Code of Regulations, Title 22

- (c) Marine Corps Order 5090.2
- (d) Integrated Contingency and Operations Plan
- (e) MCAGCC, Hazardous Waste Operations Manual

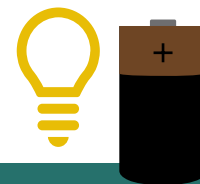
Use and Version Control

ESOPs are used to augment instructions contained in official orders and directives, and, where necessary, provide for sufficient control of the installation's significant practices. Environmental Affairs maintains the authoritative, current version of this and other ESOPs on the installation's website:

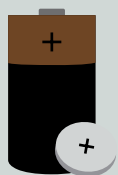
<https://www.29palms.marines.mil/Staff-Offices/G-4-Installation-Support-Directorate/Environmental-Affairs/#environmental-sops>



Universal Waste (UWV)

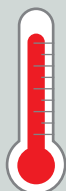


DO



DO: Properly identify the different types of batteries and wrap them before storing them.

DO: Turn in all mercury-containing equipment to the Hazardous Waste Material Building 2095.



DO: Properly identify the different types of lamps (i.e., fluorescent or high-pressure sodium lamps).

DO: Bring all toner cartridges to Hazardous Waste Material Building 2095.

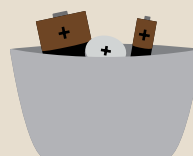


DON'T

DON'T: Break fluorescent tubes.



DON'T: Break mercury-containing equipment.



DON'T: Mix batteries.

DON'T: Store lithium batteries near a water source.

