

Environmental Standard Operating Procedures (ESOP)	
Landfill Operations (LOP)	
Environmental Affairs (EA): P2 Manager (760) 830-8361	Revised: 1 October 2023

Subj: LANDFILL OPERATIONS

Ref: (a) CCO 5090.5D, Integrated Contingency and Operations Plan
(b) 14 CCR
(c) 27 CCR
(d) Joint Technical Document (JTD)

1. Purpose. This document provides environmental protection guidelines for landfill operations.

2. Application. This guidance applies to personnel that operate and oversee landfill operations, aboard the Marine Air Ground Task Force Training Command (MAGTFTC), Marine Corps Air Ground Combat Center (MCAGCC) Twentynine Palms. For further references to MAGTFTC, MCAGCC in this document, the term installation will be used.

3. Procedures. The installation Landfill No.2 is a permitted class III federally owned and operated non-hazardous municipal solid waste disposal facility operated by the Public Works Department (PWD) with environmental oversight from Environmental Affairs (EA). Proper landfill operational practices are essential to minimize impacts to human health and the environment. To ensure compliance with all applicable federal, state and local regulations the below guidance must be followed to prevent regulatory action.

4. Operational Controls. The following controls apply:

- a. At all times, follow instructions given by landfill personnel.
- b. All logbooks/records must be maintained and recorded in accordance with the JTD.
- c. All landfill operations shall be in accordance with the JTD and/or applicable landfill regulations.
- d. All vehicles must be weighed before entering the landfill and again prior to exiting the facility.
- e. Notify the scale house operator of the contents of the load being disposed of.
- f. Ensure green waste materials are dry to approximately 50% water by weight, prior to disposal.
- g. Disposal of high liquid content wastes (i.e., wastes containing greater than 50 percent water by weight) is prohibited.
- h. Disposal of hazardous material and/or hazardous waste is prohibited.

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i. Disposal of munitions and/or material presenting potential of an explosive hazard (i.e., ordnance and/or range residue) is prohibited.

j. Disposal of pressurized containers (i.e., aerosol cans/propane tanks) is prohibited.

k. Unused Meals-Ready-to-Eat heaters may react with water and create a fire hazard and must be deactivated before disposal as non-hazardous solid waste.

l. Special wastes (i.e., grease trap pumping, large dead animals (over 75 pounds), septic tank pumping, cannery wastes, infectious medical wastes, non-altered tires, and industrial process sludge) are not accepted.

m. Sealed containers of any type are not accepted.

n. Waste materials that have any identifiable salvage value, such as car bodies, clothes dryers/washing machines, freezers, oil/fuel drums, refrigerators, stoves, televisions, whole tires or water heaters is prohibited.

o. Asbestos (friable or non-friable), metallic discards, and wastes containing burning/smoldering materials are not accepted.

p. All excluded wastes containing potentially hazardous materials are turned over to the Hazardous Waste Management Branch. Non-hazardous excluded wastes are turned over to the Qualified Recycling Program.

q. If prohibited wastes are found during load checking or in the waste stream, operations must be stopped until the wastes can be identified and removed for proper disposal.

r. Ensure daily cover soils are at a minimum of 6 inches and all intermediate cover areas are at a minimum of 12 inches.

s. Ensure semi-annual inspections and maintenance of all facility stormwater/drainage systems have been conducted prior to 1 October. Maintenance will consist of; minor regrading, removal of soils and debris and the repair of erosion damage and flow lines.

t. If there are specific situations or other concerns not addressed by this procedure, contact EA RCRA D/I Manager Office (760) 830-8361.

5. Documentation and Record Keeping. The following records must be maintained:

a. Training records.

b. Daily logs and records in accordance with the JTD.

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

- a. General Environmental Awareness training.
- b. Globally Harmonized System training.
- c. 40-hour Hazardous Waste operations and Emergency Response Course.
- d. Explosive Ordnance Disposal Safety.

7. Emergency Preparedness and Response Procedures. Refer to the spill response procedures listed in the Abatement ESOP and reference (a).

8. Inspection and Corrective Action. The landfill site supervisor and/or the Environmental Compliance Coordinator (ECC) shall ensure that deficiencies noted during inspections are corrected immediately. The landfill site supervisor and/or ECC shall ensure the designation of personnel to perform the required inspections/checklist in accordance with the JTD and operational permit. The landfill site supervisor and/or ECC shall ensure immediate corrective action for deficiencies noted during the required inspections. Actions taken to correct each deficiency shall be recorded on the inspection/checklist sheet (including work request number(s)). Designated personnel shall conduct weekly inspections using this ESOP as guidance.

Landfill Operations - ECC/Unit Inspection Checklist

Date:	Time:
Installation:	Work Center:
Inspector's Name:	Signature:

Inspection Items	Yes	No	Comments
1. Is the operator complying with terms and conditions of the permit?			
2. Are the logbooks/records maintained and recorded in accordance with the Joint Technical Document (JTD)?			
3. Are all vehicles being weighed before entering the landfill and again prior to exiting the facility?			
4. Is the green waste dry to approximately 50% water by weight, prior to disposal?			
5. Is there a high volume of recyclables inside the working face?			
6. Is there any presence of high liquid content wastes (i.e., wastes containing greater than 50 percent water by weight) inside or near the active working face?			
7. Is there any presence of hazardous material and/or hazardous waste inside or near the active working face?			
8. Is there any presence of munitions and/or Material Presenting Potential of an Explosive Hazard (MPPEH) (i.e., ordnance and/or range residue) inside or near the active working face?			
9. Is there any presence of pressurized containers (i.e., aerosol cans/propane tanks) inside or near the active working face?			
10. Is there any presence of unused Meals-Ready-to-Eat (MRE) heaters inside or near the active working face?			
11. Are any special wastes being disposed of (i.e., grease trap pumpings, large dead animals (over 75 pounds), septic tank pumpings, cannery wastes, infectious medical wastes, non-altered tires, or industrial processed sludge)?			

12. Are sealed containers of any type being accepted and disposed of?			
13. Is there any presence of waste materials that have any identifiable salvage value, such as car bodies, clothes dryers/washing machines, freezers, oil/fuel drums, refrigerators, stoves, televisions, whole tires or water heaters inside or near the active working face?			
14. Is there any presence of asbestos (friable or nonfriable), metallic discards, and/or waste containing burning/smoldering materials inside or near the active working face?			
15. Is vector and bird control maintained?			
16. Are landfill personnel conducting daily perimeter checks of the fence line. proper vector control?			
17. Is the daily cover soil being applied at a minimum of 6 inches?			
18. Are all intermediate cover areas at a minimum of 12 inches? NOTE: Intermediate cover areas, are Areas that have not been active in excess of 180 days.			
19. Does the landfill staff have proper emergency response equipment to include: a. Fire extinguisher b. Spill kit c. Phone or radio d. Portable eyewash and/or eyewash station?			
20. In accordance with the JTD, have the applicable personnel received and maintained the appropriate level of training as it applies to landfill operations?			
21. Are training records maintained and available for inspection?			

22. In accordance with the JTD, is the required dedicated landfill equipment operational and on-site?			
23. Are the exterior slopes maintained to prevent signs of erosion?			
24. Has grading and/or tracking been performed to prevent ponding or pooling of water?			
25. Has the facility conducted the required semi-annual inspection and maintenance of all stormwater/drainage systems, prior to 1 October?			
26. Is proper drainage and erosion control utilized?			
27. Is fugitive dust control maintained?			
28. Is site security provided and maintained?			

Additional Comments:

Corrective Action Taken:

Unit Inspector:

Name: _____
Signature: _____