

Environmental Standard Operating Procedures (ESOP)	
Polychlorinated Biphenyl (PCB) Item Disposal	
Environmental Affairs (EA): Hazardous Waste Management Branch (HWMB) (760) 830-7244	Revised: 1 October 2023

Subj: POLYCHLORINATED BIHPENYL ITEM DISPOSAL

Ref: (a) CCO 5090.5D, Integrated Contingency and Operations Plan
(b) Hazardous Waste Operations Manual, MCAGCC

1. Purpose. This document provides environmental protection guidelines for the disposal of PCB items.

2. Application. This guidance applies to those personnel who are disposing of PCB items aboard 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. Because of their hazardous waste (HW) characteristics, items containing or contaminated with PCBs must be disposed of properly. PCBs can cause serious harm to human health and the environment. It is critical that all precautions are taken to lessen the environmental impact of PCBs.

4. Operational Controls. The following procedures apply for the disposal of PCBs.

a. Ensure Safety Data sheets are readily available and current.

b. Any material containing PCBs must be managed and disposed of as HW. Any item that may potentially contain PCBs, but that does not have a label, must be managed, and disposed of as HW, including:

- (1) Fluorescent light ballasts
- (2) Light switches
- (3) Electrical transformers
- (4) Electrical components

c. Ensure the following actions shall be adhered to in the disposition of electrical distribution system equipment:

(1) Test Method Environmental Protection Agency 800 PCB'0, State of California certified laboratory shall be used.

(2) If the analysis results for any item is less than 5.0 parts per million, the following action shall occur:

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(a) The oil from the item shall be drained into a closed-top 55-gallon steel drum.

(b) The drum shall be marked with the words "NON-PCB Contaminated" and corresponding electrical item serial numbers that were drained into the drum.

(c) The drained electrical item shall be marked with the words "NON-PCB Contaminated", and serial number of the item.

(d) The exterior of the drum and item must be free of any oil residue.

(e) All debris utilized to sample, drain, or clean the exterior of the drum shall be packaged in an opened top-drum and marked "NON-PCB Contaminated".

(f) The NON-PCB drum, item, and laboratory analysis shall be turned into the EA HWMB, Building 2095.

(g) If an electrical item contains PCB oil, it must be tested to determine whether it is positive or negative.

(3) If the analysis results for any item is greater than 5.0 parts per million (the following action shall occur):

(a) The oil from the item shall be drained into a closed-top 55-gallon steel drum.

(b) The drum shall be marked with the words "PCB Contaminated" and corresponding electrical item serial numbers that were drained into the drum.

(c) The drained electrical item shall be marked with the words "PCB Contaminated", the concentration of PCBs (to include Non-Detect), date of analysis and serial number of the associated items.

(d) The exterior of the drum and item must be free of any oil residue.

(e) All debris utilized to sample, drain, or clean the exterior of the drum shall be package in an opened top-drum and marked "PCB Contaminated".

(f) The PCB drum, item, and laboratory analysis shall be Turned into the EA HWMB, Building 2095.

(g) Keep a spill kit nearby.

(h) Keep fire extinguisher nearby.

(i) Keep personnel protective equipment on hand.

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d. If there are any specific situations or other concerns not addressed by this procedure, contact EA HWMB at (760) 830-7244.

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

a. Inspection records must be maintained for 3 years.

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

a. General Environmental Awareness training.

b. Reference (b).

c. Globally Harmonized System training.

d. 40-hour Hazardous Waste Operations and Emergency Response course.

7. Emergency Preparedness and Response Procedures. Refer to reference (a).

8. Inspection and Corrective Action. The Environmental Compliance Coordinator (ECC) and HWMB shall designate personnel to perform operational and weekly inspections respectively. The Supervisor of HWMB has the overall responsibility to ensure that the mandated weekly inspection requirements are met. The ECC shall ensure deficiencies noted during the inspections are corrected immediately. Actions taken to correct each deficiency shall be recorded on the inspection sheet. Refer to reference (b), for inspection sheets and guidelines.

Polychlorinated Biphenyl (PCB) Item Disposal-Inspection Checklist

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

Inspection Items	Yes	No	Comments
1. Are all applicable Safety Data Sheet's readily available and current?			
2. Have personnel involved in the process of PCB recovery and disposal received appropriated training?			
3. Are all material containing PCBs managed and disposed of as hazardous waste, including: a. Fluorescent light ballasts b. Electrical transformers c. Electrical component?			
4. Are all items that potentially contain PCB and that do not have a label being managed and disposed of as hazardous waste, including: a. Fluorescent light ballasts b. Electrical transformers c. Electrical components?			
5. If an electrical transformer contain PCB oil, has it been tested to determine whether it's greater or less than 5.0 part per million?			
6. Are items that do not contain PCBs or items that test less than 5.0 part per million for PCBs, being disposed of as solid waste and/or scrap metal?			
7. Are items that contain PCBs, or items that test greater than 5.0 part per million for PCBs, being disposed of as hazardous waste?			
8. Is there evidence of spills, leaks, or unauthorized dumping?			
9. Are drums and containers free of leaks, damage, and misuse?			
10. Are marking and labels on all containers present, legible, and appropriately completed?			
11. Are wastes in compatible containers and not mixed?			
12. Are all drum bungs and self-closing lids present and serviceable?			
13. Are all liquid drum waste contained in a non-leaking secondary containment?			
14. Is the proper Initial Date of Accumulation on each drum?			
15. Is a spill kit maintained near potential spill area?			
16. Is there a fire extinguisher stored near Potentially flammable material?			

Inspection Items	Yes	No	Comments
17. Is personal protective equipment kept near any areas with potential health hazards?			
18. Are training and inspection records maintained and available for inspection?			

Additional Comments:

Corrective Action Taken:

Unit Inspector:

Name: _____

Signature: _____