

Environmental Standard Operating Procedure			
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File Name: PID-ESOP	Effective Date: 16 Apr 2007	Document Owner: Kevin McGuinness	

Title: PCB (polychlorinated biphenyl) Item Disposal

1.0 PURPOSE

The purpose of this Standard Operating Procedure (SOP) is to provide environmental guidelines for the disposal of PCB items.

2.0 APPLICATION

This guidance applies to those individuals disposing of PCB items aboard MCAS Miramar.

3.0 REFERENCES

- 40 CFR (Code of Federal Regulations)
- 29 CFR
- Environmental Regulation Notice (ERN) 06-01
- **PCB Elimination Plan**
- **Hazardous Material Business Plan**

Documents that are controlled by EMD are shown in **bold**.

4.0 PROCEDURE

4.1 Discussion:

PCBs can cause serious harm to human health and the environment because of their hazardous characteristics, therefore, items containing or contaminated with PCBs must be managed and disposed of properly. PCB items are strictly regulated and mismanagement may also subject the installation to enforcement action.

PCB waste, depending on the item, may have special requirements for proper containerization, labeling, palletizing, storage location, and disposal time limits. Unit shall contact the EMD for specific guidance on PCB waste management.

4.2 Operational Controls:

The following procedures apply:

1. MSDS for applicable hazardous material must be readily available and current.
2. Any material containing PCBs must be managed and disposed of as hazardous waste, including:
 - a. fluorescent light ballasts/tubes,
 - b. light switches.
 - c. electrical transformers
 - d. electrical components
3. Any item that may potentially contain PCBs, but that does not have a label, must be managed and disposed of as hazardous waste, including:
 - a. fluorescent light ballasts/tubes,
 - b. light switches
 - c. transformers
 - d. electrical components.
4. Ensure the following actions shall be adhered to in the disposition of electrical distribution system equipment:
 - a. Test Method EPA 800 (PCB) shall be analysis utilized by State of California certified laboratory.
 - b. If the analysis results for any item is less than 5.0 parts per million, the following action shall occur:
 - (1) The oil from the item shall be drained into a closed-top 55-gallon steel drum.
 - (2) The drum shall be marked with the words "NON- PCB Contaminated" and corresponding electrical item serial numbers that were drained into the drum.
 - (3) The drained electrical item shall be marked with the words "NON-PCB Contaminated", and serial number of the item.
 - (4) The exterior of the drum and the item must be free of any oil residue.
 - (5) All debris utilized to sample, drain, or clean the exterior of the drum shall be packaged in an opened top-drum and marked "NON_PCP Contaminated."
 - (6) The NON-PCB drum, item, and laboratory analysis shall be turned into the Waste Management Section, Building 2094.
 - (7) If an electrical item contains PCB oil, it must be tested to determine whether it is

positive or negative.

c. If the analysis results for any item is greater than 5.0. parts per million (the follow action shall occur:

- (1) The oil from the item shall be drained into a closed-top 55-gallon steel drum.
- (2) The drum shall be marked with the words "PCB Contaminated" and corresponding electrical item serial numbers that were drained into the drum.
- (3) 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 item.
- (4) The exterior of the drum and the item must be free of any oil residue.
- (5) 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".
- (6) The PCB drum, item, and laboratory analysis shall be turned into the Hazardous Waste Management Section, Building 2094

5. Keep a spill kit nearby.
6. Keep fire extinguisher nearby.
7. Keep PPE (Personnel Protective Equipment) on hand.
8. Turnover folder information must be kept for this Standard Operating Procedure (SOP).
9. If there are any specific situations or other concerns not addressed by this procedure, contact EMD.

4.3 Documentation and Record Keeping:

The following records must be maintained:

1. MSDS for all hazardous material.
2. Inspection and training records.

4.4 Training:

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

1. Hazard Communication training.

2. General Environmental Awareness training.

4.5 Emergency Preparedness and Response Procedures:

Refer to the unit Hazardous Materials Business Plan.

4.6 Inspection and Corrective Action:

The Environmental Compliance Coordinator (ECC) shall designate personnel to perform inspections. 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.

PCB Item Disposal - Inspection Checklist	
Date:	Time:
Installation:	Work Center:
Inspector's Name:	Signature:

Inspection Items	Yes	No	Comments
1. Are all applicable MSDSs readily available and current? (29 CFR 1910; CCO 5090.5_)			
2. Have personnel involved in the process of PCB recovery and disposal received the training? (40 CFR; CCO 5090.5_)			
3. Are all materials containing PCBs managed and disposed of as hazardous waste, including: <ul style="list-style-type: none"> a. fluorescent light ballasts/tubes, b. electrical transformers, c. electrical components? (40 CFR; ERN 06-01; CCO 5090.5_)			
4. Are all items that potentially contain PCB and that do not have a label being managed and disposed of as hazardous waste, including: <ul style="list-style-type: none"> a. fluorescent light ballasts/tubes, 			

<p>b. electrical transformers,</p> <p>c. electrical components?</p> <p><i>(40 CFR; ERN 06-01; CCO 5090.5_)</i></p>			
<p>5. If an electrical transformer contains PCB oil, has it been tested to determine whether it greater or less than 5.0 part per million? <i>(40 CFR; CCO 5090.5_)</i></p>			
<p>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? <i>(40 CFR; CCO 5090.5_)</i></p>			
<p>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? <i>(40 CFR; CCO 5090.5_)</i></p>			
<p>9. Is there evidence of spills, leaks, or unauthorized dumping? <i>(40 CFR; CCO 5090.5_)</i></p>			
<p>10. Are drums and containers free of leaks, damage, and misuse? <i>(CCO 5090.5_)</i></p>			
<p>11. Are markings and labels on all containers present, legible, and appropriately completed? <i>(40 CFR; CCO 5090.5_)</i></p>			
<p>12. Are wastes in compatible containers and not mixed? <i>(40 CFR; CCO 5090.5_)</i></p>			
<p>13. Are all drum bungs and self-closing lids present and serviceable? <i>(40 CFR; CCO 5090.5_)</i></p>			
<p>14. Are all liquid drum wastes contained in a non-leaking secondary containment? <i>(40 CFR; CCO 5090.5_)</i></p>			
<p>15. Is the proper Initial Date of Accumulation (IDOA) on each drum? <i>(40 CFR; CCO 5090.5_)</i></p>			
<p>16. Is a spill kit maintained near potential spill areas? <i>(29 CFR 1910; CCO 5090.5_)</i></p>			
<p>17. Is there a fire extinguisher stored near potentially flammable materials? <i>(29 CFR 1910; (CCO 5090.5_)</i></p>			
<p>18. Is PPE kept near any areas with potential health hazards? <i>(29 CFR 1910; CCO 5090.5_)</i></p>			
<p>19. Are training and inspection records maintained and available for inspection? <i>(MCO P5090.2A 9104.1(k)(5)- inspection only)</i></p>			

ADDITIONAL COMMENTS:

CORRECTIVE ACTION TAKEN:

Environmental Compliance Coordinator

Name: _____

Signature: _____

Date: _____