

# Environmental Standard Operating Procedure

## Polychlorinated Biphenyl (PCB) Management

SF Director: Alicia Florez

Signature:

Date:

### PURPOSE.

The purpose of this Environmental Standard Operating Procedure (ESOP) is to provide environmental guidelines for the management/disposal of Polychlorinated Biphenyl (PCB) items.

### 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.

The following procedures apply for the disposal of PCBs:

1. Ensure Safety Data sheets are readily available and current.
2. 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.
  - a. Fluorescent light ballasts/tubes
  - b. Light switches
  - c. Electrical transformers
  - d. Electrical components
3. Ensure the following actions shall be adhered to in the disposition of electrical distribution system equipment:
  - a. Test Method Environmental Protection Agency 800 PCB'0, State of California certified laboratory shall be used.
  - b. If the analysis results for any item is less than 5.0 parts per million, the following action shall occur:
    - i. The oil from the item shall be drained into a closed-top 55-gallon steel drum.

- ii. The drum shall be marked with the words “NON-PCB Contaminated” and corresponding electrical item serial numbers that were drained into the drum.
  - iii. The drained electrical item shall be marked with the words “NON-PCB Contaminated”, and serial number of the item residue.
  - iv. The exterior of the drum and item must be free of any oil.
  - v. 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”.
  - vi. The NON-PCB drum, item, and laboratory analysis shall be turned into the Central Accumulation Area, Building 632.
  - vii. 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 following action shall occur):
- i. The oil from the item shall be drained into a closed-top 55-gallon steel drum.
  - ii. The drum shall be marked with the words “PCB Contaminated” and corresponding electrical item serial numbers that were drained into the drum.
  - iii. 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 residue.
  - iv. The exterior of the drum and item must be free of any oil.
  - v. 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”.
  - vi. The PCB drum, item, and laboratory analysis shall be Turned into the Central Accumulation Area Bldg. 632.
4. Keep a spill kit nearby.
5. Keep fire extinguisher nearby.
6. Keep personnel protective equipment on hand.

7. Turnover folder information must be kept for this Standard Operating Procedure (SOP).
8. The following records must be maintained:
  - a. SDS for all hazardous material.
  - b. Inspection and training records.
9. The Environmental Compliance Coordinator (ECC) shall coordinate with their supervisor/leadership to ensure personnel are designated to conduct 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.
10. If there are any specific situations or other concerns not addressed by this procedure, contact the MCLB Environmental Division.

## **REFERENCES.**

- a. MCO 5090.2
- b. Integrated Contingency Management Plan (ICMP) for MCLB Barstow
- c. HW Process Generation Point (PGP) ESOP

## **TRAINING.**

Unit personnel should be trained on all the provisions of this ESOP. All training must be requested through unit ECC or Environmental Compliance Branch.

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

- a. Hazard Communication
- b. General Environmental Awareness