



# **PCBs Inventory in Power Installations in Twenty-two States of the Federation**

**Memory Aid**

**on**

**Potential PCBs oil and PCBs-containing/contaminated Electrical Equipment to be Sampled**

**And**

**Field Data Documentation**

# Potential PCBs-containing Items in a Power Facility

- Potential PCBs-containing oil and electrical equipment, particularly those manufactured before adoption of Stockholm Convention in 2001
- Electrical equipment (mounted on base or pole), which nameplates indicate PCBs as dielectric additive or which dielectric densities, computed from inscribed weights and volumes, give figures above density of water (1000kilogram g per cubic meter)
  - It is to be noted that mineral oils can be cross-contaminated from maintenance or retrofilling
- Decommissioned, retired or disused transformers, switch gears, capacitors, among others.
- Offline and online transformers and other elements with missing nameplates

# Potential PCBs-containing Items in a Power Facility (cont'd)



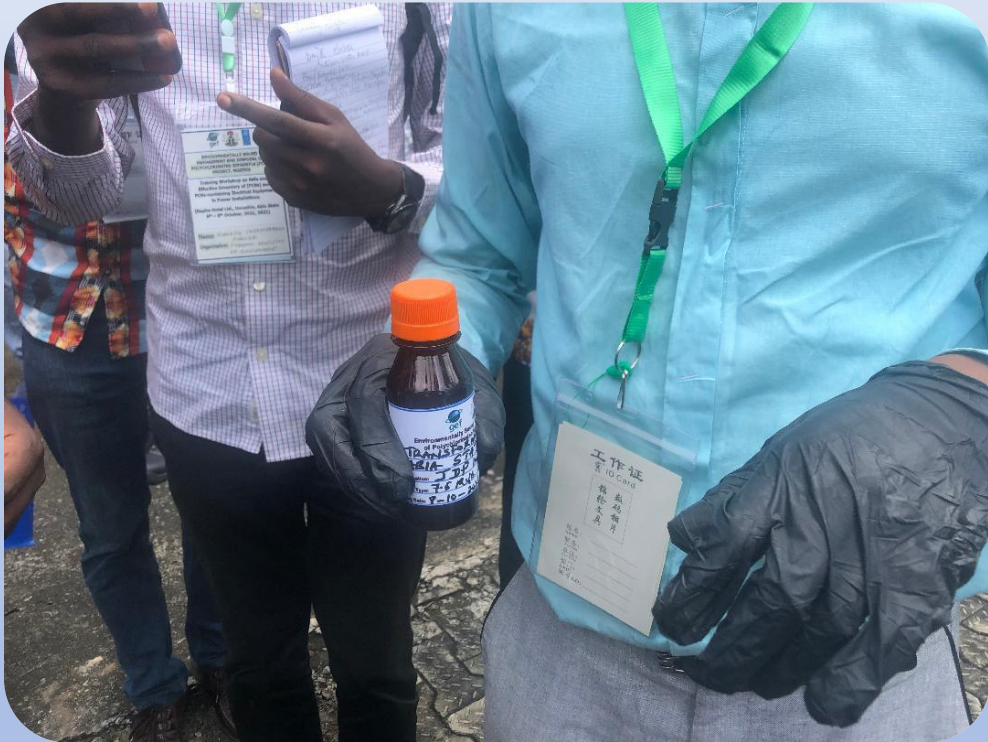
- Dielectric oil in retail containers (not in original containers) and those in containers with PCB labels
- Containerised used transformer oil and rinsates from maintenance of electrical equipment, whether labelled or not
- Legacy waste dielectric oil and electrical equipment inherited from defunct NEPA and PHCN or generated from decades of operations of current owners of such facilities
- Equipment with evidence of leakages or recent record of retrofilling or maintenance
- Where possible, transformer oil-contaminated soil can be sampled.

# Documentation

- Complete the inventory forms and ensure their endorsement by facility contact persons
- Request assistance of power facility technicians in taking samples from all target equipment and give them necessary protective kits and guidance, for safety and quality assurance
- Ensure proper labelling of samples collected
- Confirm proper documentation (written and photographic) of inventory activities, including GPS of facility locations, Site Contacts, Field Team Members and Roles, all sampling operations and samples collected, among others.
- **BACK UP ALL DOCUMENTATION**



# Documentation



- Complete the sample logs
- Safeguard the integrity of collected samples and data
- Complete and sign samples chain-of-custody forms
- Document and carefully package all samples to designated Collation Centres
- Uphold feedback mechanism with the Project Management Unit

**Environmentally Sound Management and Disposal of PCBs  
Project Management Unit**

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