
FORT CAMPBELL ENVIRONMENTAL HANDBOOK
Guidance and Instructions
USED ANTIFREEZE MANAGEMENT

1. **Purpose and Scope:**

This annex provides guidance for the proper management of recycled antifreeze containers and used antifreeze.

2. **Reference:**

- a. 29 CFR Occupational safety and Health Administration, Part 1910
- b. 40 CFR Protection of the Environment, Part 260 - 280
- c. 49 CFR Transportation, Part 171 - 178
- d. Tennessee Hazardous Waste Regulations
- e. AR 200-1, Environmental Protection and Enhancement
- f. AR 420-47, Solid and Hazardous Waste Management
- g. TACOM Testing Protocol & Evaluation Methodology for Recommended Antifreeze Recycling Systems
- h. Commercial Item Description (CID) Specification A-A-52624

3. **Definitions:**

a. **Contaminated Used Antifreeze.** Antifreeze drained from a vehicle with a cracked block or engine, which because of its mechanical condition could allow large quantities of oil or fuel to mix with the coolant. **Maintenance personnel should contact the PPOC at 798-9076 or 798-1157 and request a site visit to determine if the contaminated antifreeze can be recycled.**

b. **Used Antifreeze.** Antifreeze drained from a vehicle, which does not have a cracked block, cracked head gasket, or any other source of contaminants such as oil or fuel.

Note: This product is exempt from the hazardous waste stream and therefore **DOES NOT REQUIRE A SATELLITE ACCUMULATION POINT (SAP)** as discussed in Chapter 11

c. Unit Environmental Quality Officer (EQO). Person responsible for the unit environmental program, including the used antifreeze accumulation point.

d. **Recycled Antifreeze:** Antifreeze that has been recycled and is in proper condition to be used in vehicles. This antifreeze is premixed at a 60/40 ratio with a freeze point of -40 or below. **Additional water should not be added, as it will reduce the protection factor.**

4. **General:**

a. Used antifreeze is not considered to be a hazardous waste unless it is contaminated with some constituent which may make it a hazardous waste.

b. When maintenance personnel are draining antifreeze from vehicles, every effort should be made to prevent the contamination of the antifreeze with the oil or other engine fluids.

FORT CAMPBELL ENVIRONMENTAL HANDBOOK
Guidance and Instructions
USED ANTIFREEZE MANAGEMENT

5. Responsibilities:

a. Unit EQO will:

- 1) Ensure the unit is aware of the antifreeze recycling program.
- 2) Ensure that recycled antifreeze containers are only used for recycled antifreeze.
- 3) Ensure that all empty recycled antifreeze containers are returned to the designated "Return Area" for empty containers.
- 4) Ensure that Used Antifreeze collection drum is properly labeled.
- 5) Ensure only used antifreeze is collected in the drum marked for used antifreeze.
- 6) Ensure Secondary Containment Units (SCU) are utilized for used antifreeze drums.
- 7) Incorporate the Used Antifreeze accumulation point into the Site Specific Spill Plan.
- 8) Conduct daily/weekly inspections in accordance with Tab 14, "Used POL Management" [Exception: Grounding of used antifreeze containers is not required], and perform general housekeeping of the used antifreeze accumulation point.

b. The Environmental Division/PPOC will:

- 1) Recycle used antifreeze and make recycled antifreeze meeting the CID specification A-A-52624 available to units and activities requiring antifreeze.
- 2) Label 1, 5, and 55 gallon containers "Recycled Antifreeze"
- 3) Issue recycled antifreeze via the installation Hazardous Material Control Center Program (HMCC). Refer to TAB 21 for HMCC operating procedures.
- 4) Provide Material Safety Data Sheets for Recycled Antifreeze that have been approved by the Fort Campbell Command Safety Office.
- 5) Remove empty recycled antifreeze containers from the designated unit/activity return area for empty containers and transport back to the PPOC for re-use.
- 6) Pre-label and issue used antifreeze collection drums.
- 7) Provide site visits, when requested by the unit/activity, to determine proper disposal of contaminated antifreeze.
- 8) Remove used antifreeze from maintenance areas and transport to the PPOC for recycling after the unit/activity has called 798-9790 to schedule a pick up.
- 9) Educate and/or provide assistance to ensure program continuity at the unit/activity level.
- 10) Perform monthly compliance inspections.

6. Instruction:

a. Maintenance Personnel will:

- 1) Determine before draining antifreeze that it is potentially contaminated by oil or fuel.
- 2) If contaminated, the mechanic should contact the PPOC for a site visit and then drain the antifreeze in a different container than what is used to store used antifreeze.
- 3) Ensure that recycled antifreeze containers are only used for recycled antifreeze.
- 4) Ensure that all empty recycled antifreeze containers are returned to the designated "Return Area" for empty containers.
- 9) Ensure that used antifreeze collection drum is properly labeled and remains closed unless adding or removing used antifreeze.
- 10) Ensure only used antifreeze is collected in the drum marked for used antifreeze.
- 11) Perform housekeeping at the used antifreeze accumulation point.
- 12) Contact the PPOC at 798-9790 to schedule pick up of used antifreeze

7. Additional Guidance:

- a. For additional guidance, information, answers to your questions contact the PPOC at 798-9780/9076 or 1157. To schedule a pick up appointment of your Used Antifreeze, contact PPOC Waste Operations at 798-9790.

FORT CAMPBELL ENVIRONMENTAL HANDBOOK
Guidance and Instructions
USED ANTIFREEZE MANAGEMENT

b. For future reference, place this document behind *Tab Number 21* in your Fort Campbell Environmental Handbook.