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Civil Engineering

**PETROLEUM RECOVERY AND RECYCLING
PROGRAM**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction provides guidance and authority for establishing the Base Petroleum Recovery and Recycling Program, and is applicable to all assigned and tenant units that generate used petroleum products. It establishes reports and records to be maintained by the Base Environmental Flight. This instruction and the required reports and records comprise the Base Petroleum Recovery and Recycling Plan (hereinafter referred to as the Plan). References: AFI 23-502, Recoverable and Unusable Liquid Petroleum Products, and T. O. 42B-1-23.

SUMMARY OF REVISIONS

This revision updates the base Used Oil Management Program by modifying the definitions in order to agree with US Environmental Protection Agency terminology (40 CFR 279). The use of recovered products for fire training has been prohibited by the Florida Department of Environmental Protection. Changes 40 CFR 266 reference to 40 CFR 279.

1. Applicability. Primary implementing agencies of this instruction are:

- 1.1. The Base Environmental Protection Committee (EPC).
- 1.2. The 6th Civil Engineer Squadron, Environmental Flight (6 CES/CEV).
- 1.3. The 6th Logistics Group.

2. Definitions.

- 2.1. Used Oil. Any oil that has been refined from crude oil, or any synthetic oil that has been used and as a result of such use is contaminated with physical or chemical impurities, but is suitable for recycling.

- 2.2. Used Jet Fuel – 8 (JP-8). Chemically or physically contaminated, expired, or flushed flightline operation fuel (to include JP-4, JP-5, JP-8, and MOGAS) which is no longer suitable for flightline operations, but which remains suitable for recycling.
- 2.3. User Level/Generating Agency. Any unit or organization (either host or tenant) that generates waste petroleum products requiring Air Force management.
- 2.4. Recovered Products. Collected products that can still be used for their intended purpose despite small amounts of water or solids.
- 2.5. Received Products. Used oil that has been restored to specifications by physical treatment.
- 2.6. Waste Products. Contaminated products that cannot be recovered or recycled and must be disposed of at the expense of the government.

3. Responsibilities.

- 3.1. User Level/Generating Agencies. All managers of units generating used oil will:
 - 3.1.1. Assure proper collection, segregation, and storage in accordance with the Plan. Containers will be secured and managed to prevent unauthorized mingling of wastes.
 - 3.1.2. Provide sufficient and suitable containers for segregation and temporary storage of used oil and JP-8.
 - 3.1.3. If within the capability of the organization, transport waste products to central collection points or disposition points.
 - 3.1.4. Collect used oil and JP-8 at existing collection points and contact 6 CES/CEV if there are any questions. New collection points will be requested through the Chief of Environmental Flight at ext. 8-2567.
- 3.2. The 6th Logistics Group Commander, through the EPC, will:
 - 3.2.1. Assure implementation of the Plan and conduct annual review for adequacy.
 - 3.2.2. Provide Plan approval and submission to Headquarters, Air Mobility Command, and Air Force Civil Engineer Support Agency as required.
- 3.3. 6 CES/CEV will:
 - 3.3.1. Advise generating activities and the EPC on environmentally acceptable procedures for storage and disposition of used oil and JP-8.
 - 3.3.2. Brief the EPC annually on the status of the Plan and provide recommended modifications to the Plan.
 - 3.3.3. Maintain the original of the Plan which will consist of:
 - 3.3.3.1. The implementing instruction of the Plan.
 - 3.3.3.2. Copies of user level/generating agency disposal records.
 - 3.3.3.3. User level/generating agency forecasts of waste generation.
 - 3.3.3.4. Methods of storage and schedules for collection and disposition.
 - 3.3.3.5. Economic evaluation of the Plan.

3.3.3.6. A record of amounts (in gallons) and types of petroleum products recovered, recycled, or disposed of.

3.4. The 6th Supply Squadron, Fuels Management, will:

3.4.1. Act as technical consultant to the EPC on methods of recovering or recycling waste petroleum products.

3.4.2. Obtain sample test results for determining degree of contamination of fuels removed from aircraft.

3.4.3. Remove JP-4, JP-5, and JP-8 from the designated storage tanks after the fuel has been tested and found suitable for Air Force use.

3.4.4. Account for recovered petroleum products in accordance with AFI 23-502.

3.4.5. When the fuel is unsuitable for Air Force use, contact 6 CES/CEV to arrange for disposal.

3.5. All recycling units will notify 6 CES/CEV to coordinate disposal when the used oil recovery tank is three-quarters full. The 6 CES/CEV will contact the used oil recovery contractor to have the used oil tank pumped out.

4. Collection Containers.

4.1. The standard collection container for used oil is a 55-gallon drum. The drum must be in good, clean condition (rust free) with no bulging heads. All pertinent information must be stenciled on the container in one-inch letters. The information must include identification, hazards (flammable, corrosive, reactive), and organization. Unattended containers must be locked or secured to prevent unauthorized access.

4.2. "Used Jet Fuel" or "JP-8" must be stenciled on the drum. The used fuel must not be mixed with any other used oil.

4.3. "Used Oil" must be stenciled on the drum. Tanks must be labeled "Used Oil." The following products may be combined in designated used oil containers:

4.3.1. Mineral engine oil.

4.3.2. Synthetic engine oil.

4.3.3. Hydraulic fluid.

4.3.4. Lubricating oil.

4.4. Containers must be stored on a pallet and flammable materials must be grounded.

4.5. Containers should not be filled to more than 90-percent of capacity. Once this level is reached, generating agencies should contact 6 CES/CEV to facilitate disposal.

4.6. In the event of an accidental spill, the generating agency will contact the Base Fire Department and/or Civil Engineer Service Call in accordance with their site-specific spill plan and the MacDill Air Force Base Spill Prevention Control and Countermeasures Plan.

4.7. Container area shall be covered and provide secondary containment.

5. Documentation. Dispose of any documentation created by this instruction in accordance with AFMAN 37-139, Records Disposition Schedule.

ARTHUR F. DIEHL III, Brig Gen, USAF
Commander