

WHAT IS USED OIL?

Used oil is defined "as any oil that has been refined from crude oil, or any synthetic oil, which has been used and as a result of such use is contaminated by physical or chemical impurities." Used oil that is recycled is not considered a hazardous waste under most conditions. However, if used oils are mixed with a listed "hazardous waste" the oil must then be managed as a regulated hazardous waste; costing between \$250 - \$300 dollars per 55-gallon drum for proper disposal. On the other hand, "good" used oil can be sold to a recycler for a profit. Used oil that has been mixed with diesel fuel, non-PCB transformer oil, and small amounts of gasoline is recyclable as used oil.

WHAT DO I DO WITH USED OIL?

- **Used oil generated on Morenci property shall not be mixed with any other substances.** There are many chemicals and substances that could potentially contaminate used oil. Some of the most common oil contaminants found on Morenci property are as follows:

Chlorinated Solvents
Dirt & Debris
Antifreeze
Concentrate & Other Dusts

Aerosol Can Contents
Water
Paint

Reagents
Carburetor Cleaner
Dielectric Fluid

- Containers for storing used oil must either be new (or remanufactured) or a container that once held clean oil. The containers, new or used, must be clean and free of dents and rust. **In no case should any other type of container be used to store used oil;** this could result in the contamination of the entire container contents.
- Tanks and containers used for oil storage must always be covered/closed to prevent contamination from rain, dirt and other debris. Do not allow water to pool on container tops.
- Used oil tanks, containers, drip pans, secondary containments, oil carts and any other container used to contain used oil must be clearly labeled with the words "**Used Oil**". No containers used to handle used oil should be unlabeled during use or storage or labeled anything other than "Used Oil"
- Always use a funnel when pouring used oil into containers and tanks to prevent unnecessary spillage.
- Full oil barrels should be taken to the Used Oil Handling Facility, located at the Environmental Yard, Monday – Friday from 7:00 a.m. to 4:00 p.m.
- Refer to **BMP No. 313** for additional information on Morenci's drum/container management practices.

EMPLOYEE TRAINING

All personnel shall receive training or at the least have access to this BMP when dealing with used oil on Morenci property.

This training should be provided by the Supervisor and/or Team Environmental Coordinator.

FREEMPORT MORENCI VENDOR'S ON-SITE USED OIL WRITTEN PROCEDURE

Freeport McMoRan Morenci (FMMI) collects used oil at a number of locations (see list below) at its Minesite and Processing Facility in Morenci, AZ. It also collects used oil at a number of off-site locations associated with the Town of Morenci, which Freeport also owns. FMMI employs the use of outside vendors/contractors to manage its on-site and off-site used oil collection program. The purpose of this written procedure is to describe in detail the protocols to be followed by both Morenci Environmental and its on-site used oil contractors in the management of used oil at FMMI facilities.

ON-SITE COLLECTION LOCATIONS

1. 4560 Fuel Dock
2. 5280 Fuel Dock
3. Southwest Energy
4. Metcalf Crusher
5. RW Garage
6. Mine Lube Shop
7. Carpool Lube Shop
8. Crusher 2
9. Environmental Yard Oil House
10. Heavy Duty Truck Shop Tank #37

OFF-SITE COLLECTION LOCATIONS

1. Morenci Transfer Station
2. Morenci Bowling Alley

PROCEDURE FOR OFF-SITE SHIPMENT OF USED OIL

- No used oil or oily water will be brought from off-site locations to be managed on site
- The vacuum truck used by the vendor will be dedicated to on-site oil collection only
- If the dedicated truck leaves site it must return with a certificate of washout
- Vendor will arrange for all railcar deliveries and pickups
- Vacuum truck will collect oil on a regular route and place collected oil in a dedicated railcar on site. Each load placed in the railcar will be tested using a "Dexsil Chlor-D-Tect 1000" for the presence of chlorinated solvents. The results of the aforementioned analyses will be documented on the FMMI "Used Oil Testing Form" and provided to the Morenci Environmental Waste Division Data Management Sector for approval and archiving.
- When the railcar becomes full, vendor will perform a final "Dexsil Chlor-D-Tect 1000" test and provide the results to FMMI Waste Division Data Management Sector for approval and

ENVIRONMENTAL BEST MANAGEMENT PRACTICE
BMP No. 310
Used Oil Management

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