

## ENVIRONMENTAL BEST MANAGEMENT PRACTICE BMP No. 310 Used Oil Management

#### 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?

• <u>Used oil generated on Morenci property shall not be mixed with any other substances</u>. 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 Aerosol Can Contents Reagents
Dirt & Debris Water Carburetor Cleaner
Antifreeze Paint Dielectric Fluid
Concentrate & Other Dusts

- 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. <u>In no</u> <u>case should any other type of container be used to store used oil</u>; 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**

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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.

### FREEPORT MORENCI <u>VENDOR'S ON-SITE USED OIL</u> 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

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archiving. Vendor will secure railcar in such a manner as to prevent adulteration of the used oil between the time of sampling and the time of shipment. Once approved by FMMI, the railcar may be scheduled for shipment off site.

• FMMI Waste Division representative will sign Bill of Lading before used oil railcar is approved to leave site for recycling.

#### PROCEDURE FOR OFF-SITE SHIPMENT OF OILY WATER

- Designated vendor collects oily water from secondary containments and other facilities on site and places water in 300 gallon tote tanks in Environmental Yard.
- Used oil vendor periodically pumps out tote tanks into designated tanker truck, tests load for chlorinated solvents using a "Dexsil HyroChlor-Q" test kit.
- Driver will record test result on Bill of Lading which must be signed by FMMI Waste Division representative before oily water tanker leaves site.

#### PROCEDURE FOR ON-SITE MANAGEMENT OF USED OIL FOR BLASTING

- Used oil to be mixed with explosives for blasting will be collected only in Tank #37 at the Heavy Duty Truck Shop at the Morenci Mine.
- Vendor will load used oil in dedicated on-site truck from Tank #37, sample oil using "Dexsil Chlor-D-Tect 1000", and deliver oil to tanks which are managed by Southwest Energy (explosives contractor) as long as analysis is less than 1000.
- Driver will record results and provide signed Used Oil Testing Form to Waste Division Data Management Sector for archiving.
- Per MSHA requirements, Morenci Environmental will sample Tank #37 annually for "On-Spec" used oil parameters and document and archive results.

#### PROCEDURE FOR MANAGEMENT OF USED OIL GENERATED OFF-SITE

- ALL used oil generated off-site will be characterized, profiled and managed by FMMI's hazardous waste management contractor and shipped to RCRA-approved facilities for proper disposal.
- Used oil generated off-site is NEVER to be mixed with used oil generated on-site.

#### QUESTIONS OR NEED HELP? CONTACT:

**Your Division Representatives** 

Enviro Representatives Phone Extensions: Jon Anderson ....... 865-6009 Shanna Holguin (Townsite) ....... 865-6225

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**Used Oil Management** 

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