Identification and Management of Used Oil
OVERVIEW

HAZARDOUS WASTES

“Typical” Hazardous Wastes
Managed under Env-Hw 500

“Used Oil” Being Recycled
Hazardous, but usually managed under Env-Hw 807
How To Identify “Used Oil”:

1. Compare to “used oil” definition
   - Env-Hw 104.74
   - Do you have a different “oily” waste?

2. Ensure that it’s being recycled

3. Verify that you haven’t mixed with another waste that’s hazardous

4. Establish the level of contamination
All Oily Stuff

"Used Oil"

Other Oily Waste
“USED OIL”

- Derived from crude or synthetic Lubricant
- Cooling oil
- An emulsion, oil/water cutting oils
- Certain other uses
- Water with >5% used oil content

If recycled, managed under Env-Hw 807
OTHER OILY WASTE

- Vegetable oil
- Oily water with 5% used oil or less
  - Solids contaminated with oil
    (absorbents, rags, soil…)
- Anything used as a solvent
- Anything used as a cleaner
  - Wood preservatives

These are NOT “NH01”. They either:
- are either hazardous for another reason,
  or are non-hazardous

They might be regulated as a hazardous waste
They might be non-hazardous
“Used oil for recycle” must be... RECYCLED!

Re-refining; or Burning for Energy Recovery - get a value from the burning
“Used oil for recycle” must be **JUST used oil for recycle**

- **Used oil mixed with any other hazardous waste is not used oil!**
  - Perform a full hazardous waste determination. (5 step process)
  - Assign all waste codes that apply.
“Used Oil for Recycle” must have low levels of contaminants

- You need an “Initial Used Oil Determination” to find the contaminant levels

- One-time analysis
Four Metals

- Arsenic
- For use as a motor fuel only
- Contains lead
- Cadmium (Cd)
Flashpoint
Total Halogens
PCBs
What do I do with the test results?

- Compare to the tables in Env-Hw 807.02, “Specification Standards”, and Env-Hw 807.03, “Off-Specification Standards”

- “specification” used oil

- “off-specification” used oil
What if the results fail the off-specification standard?

- Your used oil must be managed like other hazardous wastes under the more strict rules, **UNLESS**..............
One exception... Total halogens

- If total halogens are >1000 ppm – solvents or pesticides?

- rebut the presumption” of mixing – prove us wrong!
  – Can be considered off-spec. used oil
What’s so great about Env-Hw 807?

🌟 USED OIL FOR RECYCLE:
- Doesn’t count toward generator status
- Can be stored indefinitely
- Can be shipped without a manifest in NH
- Is not subject to the hazardous waste fee ($0.06/lb.)
- is a lot cheaper to get rid of!!
Anything else I need to know?
Label Containers and Tanks!

- “used oil for recycle”

Close!

- Containers and tanks storing used oil are closed unless actively adding or removing used oil
  
  Draining filters is considered “actively adding” if drained for a reasonable amount of time
Used Oil Filters

- Properly Drain, and recycle as a scrap metal
  - Puncture the dome end;
  - Drain at 60°F or warmer;
  - Drain for at least 12 hours; OR
  - Crush or dismantle to remove remaining oil
Used Oil Burner Regulations

- Env-Hw 807.10 was written for you!
  - Notify DES Waste Mgmt. (271-2921)
    - Notification Form
  - Notify DES Air Resources (271-1370)
Respect the waste!

Small drips and spills add up to big trouble!