



# Environmental Management



# Used Oil Management – Generator Responsibilities



## Senior Environmental Manager



Indiana Department of Environmental Management  
Office of Program Support  
Compliance & Technical Assistance Program (CTAP)



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## Environmental Engineer



Indiana Department of Environmental Management  
Office of Program Support  
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# Overview

- What is the intent?
- What are the environmental consequences?
- Who is impacted?
- What is used oil?
- What are the prohibitions?
- What are the regulations?
- How do I comply?

# Intent of Used Oil Management Rule 329 IAC 13

## History

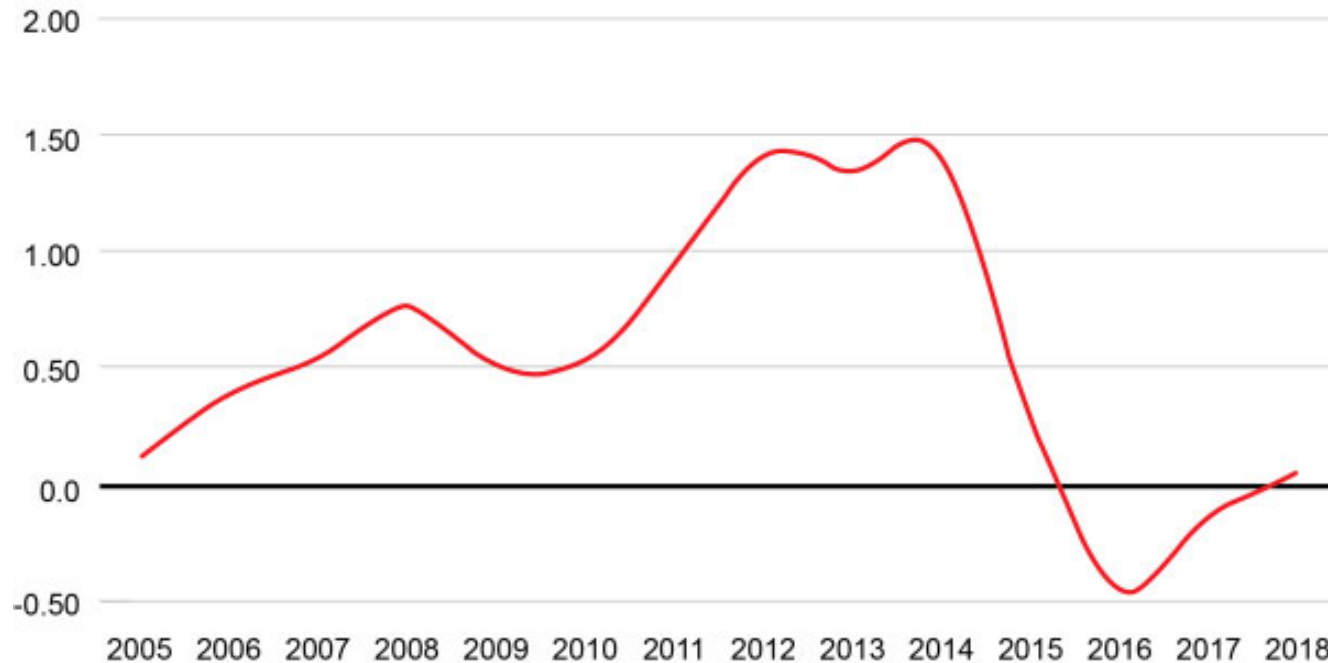
- US EPA
  - 1980's considered making used oil a listed waste for disposal
  - 1992 issued management standards for used oil that will be recycled
- Indiana
  - 1997 IDEM issued state-specific rule that mirrors federal rule

# Intent of 329 IAC 13

- Encourage recycling
- Promote environmentally sound collection, storage & management
- Exclude as a hazardous waste unless mixed with a listed or characteristically hazardous waste



# Market Incentives to Recycle Based on Economic Trends



Source: Kline & Company

Generator Used Motor Oil Prices, \$/Gallon - Used Oil Management & Beneficial Reuse, December 2020 – U.S. Department of Energy

# What are the environmental consequences?

- You dump it, you drink it. Consider these facts:
  - **One gallon** of oil can contaminate **one million gallons** of water
  - **One pint** of oil released into a lake or wetland can cover an **acre of surface water**
- Used oil can contain a variety of contaminants including heavy metals and organic compounds







# Who is impacted?

## Categories of Used Oil

	Generator/ Collection Center	Transporter Transfer Facility	Processor/ Re-refiner	Off-Spec Burner	Marketer
Labels	✓	✓	✓	✓	N/A
Release Cleanup	✓	✓	✓	✓	N/A
EPA ID Number and Notification		✓	✓	✓	✓
Tracking		✓	✓	✓	✓



# Who is impacted?

## Those who maintain . . .

- Passenger cars
- Motorcycles
- Marine
- Power generation
- Trucks & Buses

# Who is impacted?

## Those who maintain . . .

- Tractors
- Combines
- Harrows
- Corn-pickers
- Balers
- Seeders

# Who is impacted?

## Those who maintain . . .

- Manufacturing equipment
  - Compressors
  - Transformers
  - Hydraulic components
  - CNC & other types of metal fabricating equipment



# **Article 13 Used Oil Management**

**13-3: Applicability**

**13-4: Generators**

**13-5: Collection centers/Aggregation points**

**13-6: Transporters & transfer facilities**

**13-7: Processors**

**13-8: Burning off-specification used oil**

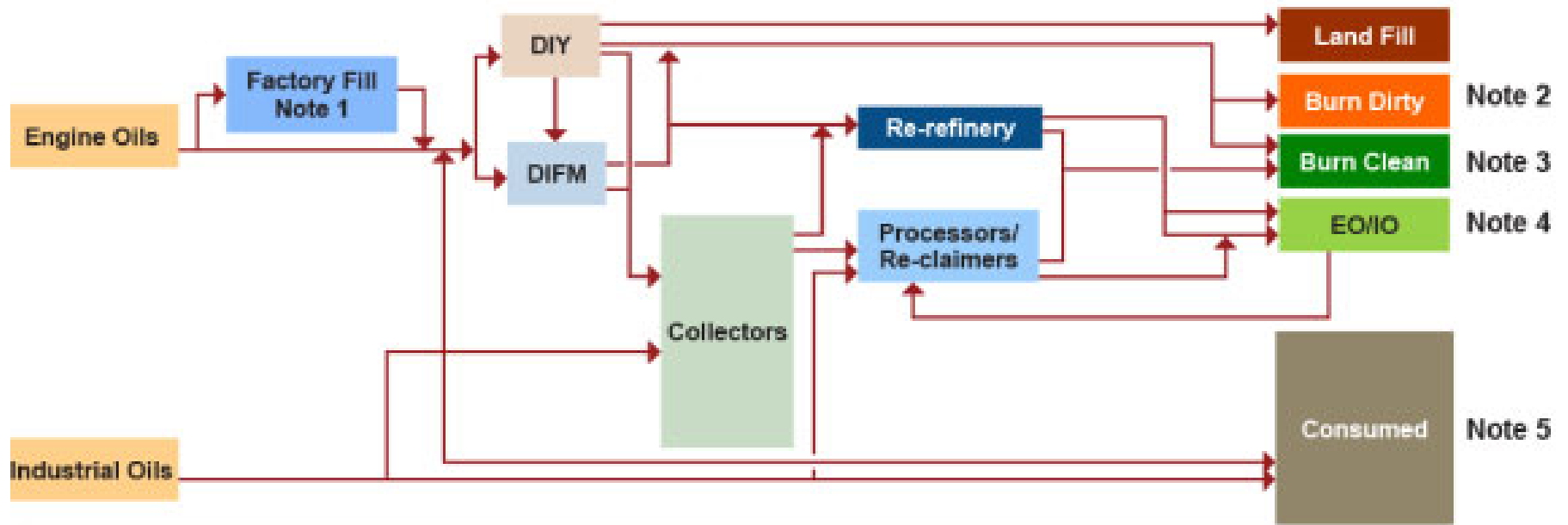
**13-9: Fuel Marketers**

**13-10: Dust suppressant and Disposal**

## Tracking Oil Flows

### Sources

### End Uses



## Color Codes: Environmental/Energy Impacts:

#### Environmental

- Most Environmentally Unfriendly
- Environmentally Unfriendly
- Environmentally Friendly
- Most Environmentally Friendly
- Difficult to Avoid



#### Energy

- Most Energy Wasted
- Energy Recovered/Lubes Molecules not Recovered
- Energy Recovered/Lubes Molecules not Recovered
- Most Energy Recovered/Lubes Molecules Recovered-
- Difficult to Avoid

**Notes:**

1. Factory fill is the initial charge of motor oil into a new car engine
2. Space heaters, uncontrolled combustion
3. Utility boilers, asphalt manufacturing, controlled combustion
4. Re-refined oil products (engine oils & industrial oils)
5. Consumed in process (e.g., rubber extenders, two cycle oils, motor oil consumed in engines, etc.)

- |      |  |
|------|--|
| DIY  | "Do It Yourself"   |
| DIFM | "Do It For Me" includes:<br>quick lubes, garages, and<br>fleet operators |



# What is Used Oil\*?

as regulated by 329 IAC 13

There are three criteria

1. Origin
2. Use
3. Contamination

\*Derived from the Latin word “Oleum” which is derived from the Greek word “Elaion” meaning “olive oil”



# What is Used Oil?

as regulated by 329 IAC 13

1. Any oil refined from
  - Crude oil\*
  - Synthetic oil\*\* (e.g., derived from coal, shale or polymers)
  - ***Excludes*** animal & vegetable oils\*\*\*

\* A mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities.

\*\* Synthetic lubricants can be manufactured using chemically modified petroleum components rather than whole crude oil.



# Could the Material in this Container be Managed as Used Oil?



# Could the Material in this Container be Managed as Used Oil?



# What is Used Oil?

as regulated by 329 IAC 13

## 2. Used as a

- Lubricant
- Hydraulic fluid
- Heat (non-contact) transfer fluid

***Excludes*** petroleum-based solvents used for its solvent-based properties, e.g., solubilize (dissolve)

# What is Used Oil?

as regulated by 329 IAC 13

## *Examples - lubricants*

- Used oil from vehicles
- Metalworking oil/coolants
- Emulsions (two immiscible liquids & emulsifier or surfactant)

# Used Oil from Vehicles

## *Examples – lubricants*

- Differential fluid
- Motor oil
- Transmission fluid
- Brake fluid
- Used oil drained from vehicle filters

# Used Oil from Vehicles



# What is Used Oil?

as regulated by 329 IAC 13

## *Examples – hydraulic fluids*

- Transmission fluid
- Excavators and backhoes
- Industrial machinery

# What is Used Oil?

as regulated by 329 IAC 13

## *Examples – heat transfer fluids*

- Metalworking oil/coolants
- Heat transfer
- Refrigeration oils
- Electrical insulating oils
- Quench oil
- ***Excludes*** antifreeze



# What is Used Oil?

as regulated by 329 IAC 13

## 3. Contaminated by physical or chemical impurities

- e.g., high water content
- e.g., lead, halogens or other hazardous constituents

# What is Used Oil?

as regulated by 329 IAC 13

## Contaminated used crankcase oil

- Additive breakdown products – e.g., Barium & Zinc
- Engine “blow-by”
- Metal particles from engine wear – e.g., Arsenic, Lead, Nickel & Cadmium
- Poly Aromatic Hydrocarbons



# What is Used Oil?

as regulated by 329 IAC 13

## Other factors

- Used oil mixed with other wastes
- PCBs
- Materials mixed with used oil

# Generator mixing used oil with hazardous waste

- Used oil & characteristically\* hazardous waste might result in more hazardous waste
- Used oil & listed hazardous waste results in more hazardous waste
- Mixing might be considered treatment requiring a permit

\* And certain waste listed only for characteristics of ignitability, corrosivity and/or reactivity

# **Generator mixing used oil with hazardous waste**

- Some metalworking oils contain chlorinated additives
- Some refrigeration system compressor oils contain CFCs
- Used oil containing more than 1,000 ppm total halogens is presumed to be hazardous

# **Very Small Quantity Generator (VSQG) of hazardous waste**

- Mixing is allowable until it changes the hazardous waste generator status
- Used oil recyclers typically prefer used oil which has not been mixed
- Generator status could change



# Electrical Insulating Oils Containing PCBs\* - 40 CFR 761

- Transformers, capacitors, voltage regulators, etc.
- Manufactured from 1929 to 1979
- < 2 ppm – can be managed as used oil
- 2-49 ppm – can be burned at a qualified incinerator
- Any concentration can go to a facility with a PCB permit

\* Polychlorinated Biphenyls

# PCBs – 40 CFR 761





# **Materials contaminated with or containing used oil**

- If the used oil is properly drained or removed from the material
  - No longer considered used oil
  - Dispose as hazardous or solid waste
- Used oil drained from material is regulated as used oil
- Materials containing or contaminated and burned for energy recovery are regulated as used oil (fuel oil)

# Oily Waste Rags



# Oil filter crusher



Some shops may utilize an oil filter crusher that presses the filter under high pressure and squeezes the oil out. The device reduces used filters to 25 percent of their original size—about the size of a hockey puck.

# Crushed oil filters



# Managing Metal Turnings Laden with Coolant



# Prohibitions

- Used oil cannot be managed in impoundments
- Used oil cannot be used as a dust suppressant
- Off-spec fuel may be burned for energy recovery at:
  - Industrial furnace (40 CFR 260.10)
  - Boiler (see 329 IAC 13 for specifics)
  - Used oil space heater (see 329 13-4-4)
- Hazardous waste incinerator

# Who is the Generator?

***“ . . . any person, by site, whose act or process produces used oil or whose act first causes used oil to become subject to regulation.” 329 IAC 13-2-24 definition of used oil generator***

# Generator Exclusions

- Households
- Vessels at sea
- Mixtures with diesel fuel used in a generator's vehicle
- Farmers generating an average of 25 gallons or less per month



# Should I consider?



# Burning Allowances in a 0.5 MMBtu/hour Space Heater

- Used oil generated by the owner or operator
- Used oil received from a household
- Combustion gases are vented to the ambient air\*

\* The OSHA PEL for Carbon Monoxide is 50 parts per million (ppm).

# Burning Allowances in a 0.5 MMBtu/hour Space Heater



*Used oil burner used for building heat*

# Generator Exclusions from becoming a processor \*

- Filtering, cleaning or reconditioning for reuse or burning in a space heater
- Decanting used oil & water for discharge of water to the sanitary sewer and/or reuse

\* used oil generated onsite

# Generator Exclusions from becoming a processor \*

- Used oil mist collectors
- Segregating used oil from other materials to improve recyclability

\* used oil generated onsite

# How do generators store used oil?

- Containers - Good condition
- Labeling – “Used Oil”
- Release clean-up
- Secondary containment – not required

# Unlabeled Used Oil Tote



# What Happens if this Valve Fails?





# Maybe?



# And?



# Not properly labeled with the words “Used Oil”



# Correctly labeled with the words “Used Oil”

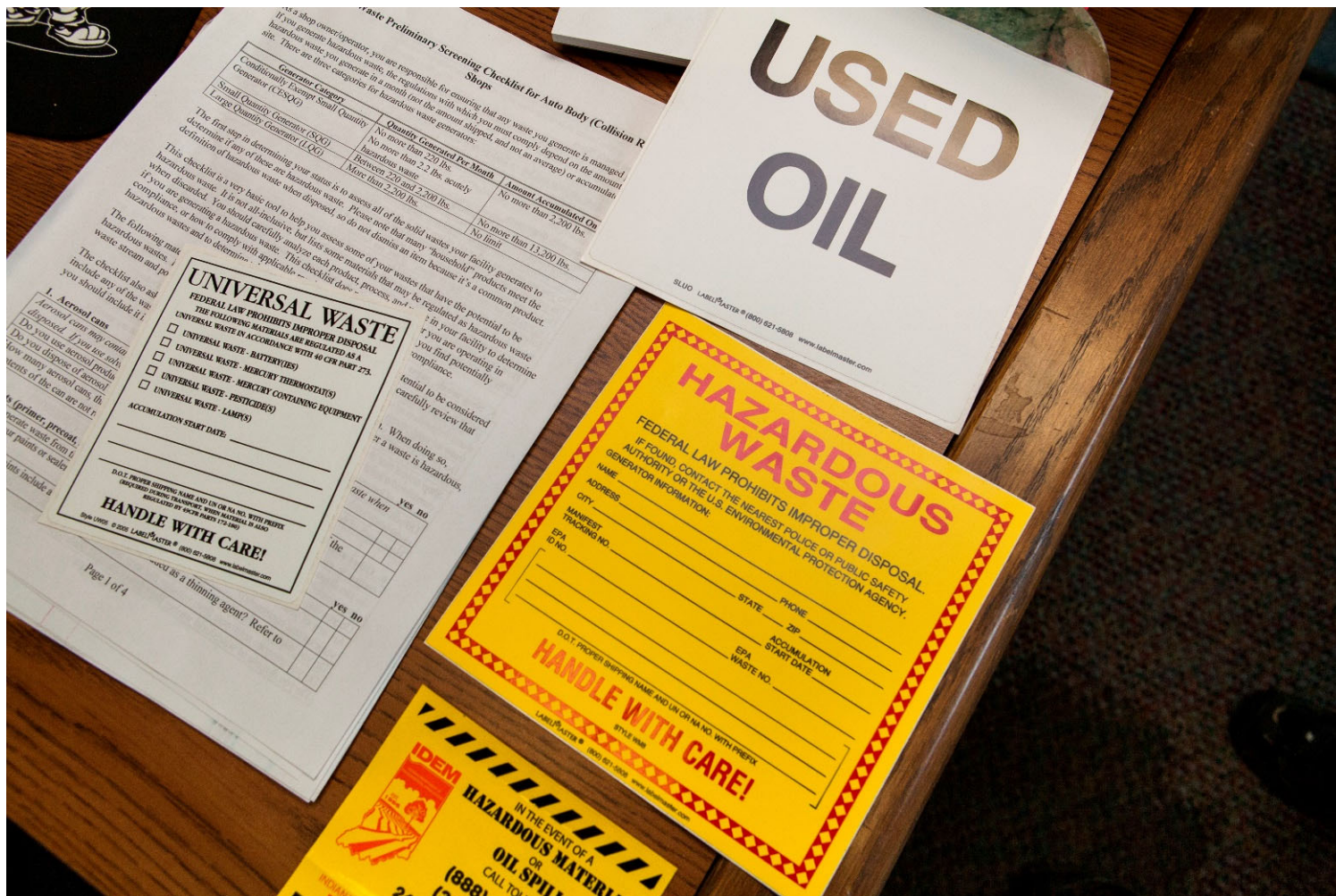


# Condition of storage drums





# Being Prepared Helps



# Who is the Used Oil Transporter?



# Who is the Used Oil Transporter?

- Operates under an EPA ID
- Transports used oil to processors, re-refiners, off-specification used oil burners



# **Exceptions to Using a Transporter with an EPA ID**

- Used oil generated onsite
- Used oil generated by a household
- No more than 55-gallons at any time
- May be moved to an aggregation point owned or operated by the generator
- As part of a tolling agreement

# Used Oil Transfer to a Transport Vehicle



# Used Oil Transfer to a Transport Vehicle



# Who is the Collection Center and Aggregation Point?



# Who is the Collection Center and Aggregation Point?

- Accepts, aggregates & stores used oil from a generator and household
- Accepts shipments of no more than 55-gallons
- Adheres to generator practices
- Possibly registered, licensed or permitted

# Who is the Collection Center and Aggregation Point?

Any potential problems?



# What could go wrong?



# What could go wrong?





# What could go wrong?



# What could go wrong?



# Who is the Used Oil Processor & Re-Refiner?

- Operates under an EPA ID
- Reclaims used oil for reuse

# Who is the Used Oil Processor?



# Who is the Off-Specification Used Oil Burner?

- Operates under an EPA ID
- Used oil burned for energy recovery

# Who is the Fuel Marketer?

- Directs shipment of off-specification used oil to off-specification used oil burner
- First claims the used oil meets the used oil specifications (329 IAC 13-3-2)

Table 1-Used Oil not Exceeding any Specification Level is not Subject to this Article when Burned for Energy Recovery<sup>1</sup>

Constituent or Property	Allowable Level
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Flash point	100° F minimum
Total halogens	4,000 ppm maximum <sup>2</sup>



# **Used Oil as a Dust Suppressant**

## **329 IAC 13-10-3**

***“The use of used oil as a dust suppressant is prohibited in accordance with IC 13-30-2-1(14)”***

# Tote storage – secondary containment – what are the risks?







# What is a spill (327 IAC 2-6.1-4)?

- any unexpected, ... discharge or other loss of petroleum, hazardous substances, extremely hazardous substances, or objectionable substances.
- ***The term does not include releases to impermeable surfaces when the substance does not migrate off the surface or penetrate the surface....***



# What is a spill (327 IAC 2-6.1-4)?

- Typically, the use of secondary containment provides for a respite to respond to any release
- Certain exclusions, e.g., spills of less than one pound or one pint are also not reportable except...



# What is a reportable spill (327 IAC 2-6.1-5 (facility) & 2-6.1-6 (transportation))?

- Any spill for which a spill response has not been done.
- **“Spill response”**, for purposes of this rule, means the spill is contained & free material is removed or neutralized.



# Emergency Response Spills Reported

Excerpt from November 2020 to September 2021 \*

- Transformer oil – 2
- Soybean oil – 3
- Petroleum & hydraulic fluid – 56
- Oil & grease – 11
- Motor oil – 52
- Mineral oil - 11

\* <https://www.in.gov/idem/cleanups/investigation-and-cleanup-programs/emergency-response/>

# Any cause for alarm?



# Compressor oil – Can I ignore it?



# Spill response pack located on a wall in case of need



# Other Potential Requirements

- Spill Prevention, Control & Countermeasure (SPCC) – 40 CFR 112
- Underground Storage Tanks – 40 CFR 280
- Fire codes



# Would this require an SPCC plan?



*Four (4) used oil drums and 1,000-gallon used oil AST located inside the building*

# **In Conclusion, Conservation and Recycling of the Nation's used oil**

- extends the life of U.S. crude oil resources,
- reduces the likelihood of improperly disposed used oil contaminating the environment and
- is energy efficient, as it can take less energy to recycle used oil.

# Key Take Aways

- Segregate – some used oil, e.g., synthetic, is more valuable than other used oil
- Know your risks – containment
- Have a plan – spill response
- Use a transporter with an EPA ID
- Know the destination



# Thank You!

- Cathy Csatari
- Susan Lowry
- Joe Neuklis
- George Ritchotte
- Brian Smith
- Matthew Peterschmidt



# CTAP is a mouse click away





Compliance and Technical  
Assistance Program

# Empowering Indiana businesses with environmental compliance assistance that is:

- Free and confidential
- Non-regulatory
- Multimedia



# CTAP Services

CTAP Hotline  
and Online  
Portal

Site  
Assessments

Training

Online  
Resources

## Contact CTAP to:

- Receive timely assistance with interpreting a rule or permit requirement.
- Determine what steps are needed to obtain a permit to operate or modify processes.
- Ask general environmental regulatory or compliance questions
- Request a site assessment.

Submit a confidential request via CTAP's online portal:

[portal.idem.IN.gov](http://portal.idem.IN.gov).

Or call our hotline: 317-232-8172 or 800-988-7901

# New CTAP Online Portal

IDEM has launched a new Compliance and Technical Assistance Program online portal through Access Indiana. This new portal is a secure online system that makes it easier for businesses and organizations to request confidential assistance regarding environmental regulations, compliance, and permitting.

In the new CTAP portal, businesses, companies, organizations, and individuals can:

- Create a secure account and submit confidential requests directly.
- Request confidential site assessments for your business or specific equipment/processes.
- Communicate and track interactions with CTAP staff.
- Invite collaborators within the company or designated consultants to access and view the CTAP request and recommendations.
- Provide feedback to the CTAP team through surveys.



**To submit a confidential request using the new CTAP portal, visit [portal.idem.IN.gov](https://portal.idem.IN.gov).**





# Available Services



<https://www.in.gov/access/>



 <b>Indiana Unclaimed Property</b> Attorney General	 <b>Quick Quote</b> Bureau of Motor Vehicles	 <b>BMV Online Scheduler</b> Bureau of Motor Vehicles	 <b>Indiana Public Safety Portal</b> Department of Homeland Security	 <b>IURC Online Services Portal</b> Utility Regulatory Commission	 <b>Search for a License</b> Professional Licensing Agency
 <b>Travel Advisory</b> Department of Homeland Security	 <b>Campground Reservations</b> Department of Natural Resources	 <b>Ginseng Dealers</b> Department of Natural Resources	 <b>DNR</b> Indiana Department of Natural Resources <b>Fish &amp; Wildlife</b> Department of Natural Resources	 <b>First Steps</b> Make a First Steps Payment Family and Social Services Administration	 <b>CTAP</b> IDEM Compliance and Technical Assistance Program (CTAP) Indiana Department of Environmental Management
 <b>Check Refund Status</b> Department of Revenue	 <b>DORpay</b> Department of Revenue	 <b>INtaxpay</b> Department of Revenue	 <b>INDIANA CAREER READY</b> Department of Workforce Development	 <b>Indiana Department of Health</b> <b>Birth and Death Records</b> Indiana Department of Health	 <b>Indiana Department of Health</b> <b>DRIVE</b> Indiana Department of Health
 <b>CHILD CARE FINDER</b> <b>Child Care Finder</b> Family and Social Services Administration	 <b>INCONNECT ALLIANCE</b> <b>INconnect Alliance</b> Family and Social Services Administration	 <b>INCONNECT</b> <b>IN Connect</b> Family and Social Services Administration	 <b>INDIANA FAMILY &amp; SOCIAL SERVICES ADMINISTRATION</b> <b>FSA</b> <b>Indiana Addiction Treatment</b> Family and Social Services Administration	 <b>INDIANA</b> <b>Secretary of State</b> <b>Register to Vote</b> Secretary of State	

Check the Available Services to see a list of all online services utilizing the Access Indiana login (<https://www.in.gov/access/available-services.html>).



A SINGLE LOGIN & PASSWORD FOR YOUR INDIANA SERVICES



# New CTAP Online Portal



CTAP online portal can also be accessed through IDEM's electronic resources.

<https://portal.idem.in.gov/>



# Questions?



# **IDEM Resources**

- <https://www.in.gov/idem/waste/hazardous-waste/used-oil/>
- [https://www.in.gov/idem/waste/files/hw\\_used\\_oil\\_rule.pdf](https://www.in.gov/idem/waste/files/hw_used_oil_rule.pdf)

## EPA Resources - PCBs

- Learn about Polychlorinated Biphenyls - <https://www.epa.gov/pcbs/learn-about-polychlorinated-biphenyls-pcbs>
- Preventing & Detecting PCB Contamination is Used Oil - Managing Used Oil: [https://www.epa.gov/system/files/documents/2022-04/pcbs\\_in\\_used\\_oil\\_fact\\_sheet\\_corrected2.pdf](https://www.epa.gov/system/files/documents/2022-04/pcbs_in_used_oil_fact_sheet_corrected2.pdf)



## **EPA Resources - PCBs**

- PCB Cleanup & Disposal Guidance - <https://www.epa.gov/pcbs/pcb-cleanup-and-disposal-guidance-interpretive-letters-issued-epa>
- PCB Commercial & Disposal Facilities - <https://www.epa.gov/pcbs/list-approved-polychlorinated-biphenyl-pcb-commercial-storage-and-disposal-facilities>



# EPA Resources

- Managing Used Oil: FAQ -  
<https://www.epa.gov/hw/managing-used-oil-answers-frequent-questions-businesses>
- RCRA Info -  
<https://enviro.epa.gov/facts/rcrainfo/search.html>
- RCRA Online -  
<https://rcrapublic.epa.gov/rcraonline/>



# How to be a better sleuth

## Tips for using RCRAInfo and RCRA Online







# What is that?

- RCRAInfo
  - US EPA database supporting RCRA
  - Hazardous waste handlers including used oil
- RCRA Online
  - US EPA database that indexes thousands of letters, publications, questions and answers



# RCRAInfo Search

[Home](#) | [Multisystem Search](#) | [Topic Searches](#) | [System Data Searches](#) | [About the Data](#) | [Data Downloads](#) | [Widgets](#) | [Services](#) | [Mobile](#) | [Other Datasets](#)



## Facility Selection

### Facility Identification:

Facility Name (Enter a partial or complete Facility Name) ▾

### Facility Identification Option Value:

Beginning With  Exact Match  Containing



# RCRAInfo Search

## Geography Search

Enter a partial value for any geography option except for the state value. We strongly recommend that you enter a small geographical area to begin the search since Envirofacts contains a large number of facilities.

**ZIP Code:**

**Address:**

**Beginning With**  **Exact Match**  **Containing**

**City:**

**County:**

**State:**



# RCRAInfo Search

## North American Industry Classification System (NAICS) Data Search

Select a search option from the drop down menu. For the “Equal to” option enter a 4 to 6-digit NAICS code. For “Beginning with” or “Containing” enter up to 6 digits.

**NAICS Codes:**

Equal to ▼

## Handler Universe

All Handler Universes

Treatment, Storage, Disposal Facilities:

Full Enforcement Universe ▼

Other Universes:

Used Oil Universe ▼



## Process Search Option

Search for facilities that have the processes selected below (Defaults to All Processes):

☛ ALL Processes:

Disposal Process:

- Underground Inject. Well Disp.
- Ocean Disposal

Storage Process:

- Container
- Surface Impoundment Storage
- Other Storage

Treatment Process:

- Tank Treatment
- Other Treatment
- Lime Kiln
- Smelting/Melting/Refining Fur.
- Titanium Dioxide Chloride Process Oxidation Reactor
- Combustion Device Used in the Recovery of Sulfur Values from Spent Sulfuric Acid
- Containment Building - Treatment

Miscellaneous Process:

- Open Burning/Open Detonation
- Geologic Repository

Landfill

Surface Impoundment Disposal

Tank Storage

Drip Pad

Surface Impoundment Treatment

Boiler

Aggregate Kiln

Coke Oven

Methane Reforming Furnace

Other Industrial Furnaces Listed in 40 CFR 260.10

Thermal Unit

Other Subpart X

Land Application

Other Disposal

Waste Pile

Containment Building - Storage

Incinerator

Cement Kiln

Phosphate Kiln

Blast Furnace

Pulping Liquor Recovery Furnace

Halogen Acid Furnace

Mechanical Processing



## Active/Inactive Site Option

- Active Sites Only
- Inactive Sites Only
- Both Active and Inactive Sites

---

## Search Values

- Use Multisystem facility information to perform facility search
- Use RCRAInfo facility information only to perform facility search

Search

Clear



# Search Results – in part

[Copy](#)

[CSV](#)

[Excel](#)

[PDF](#)

[Print](#)

Showing 1 to 100 of 339 entries

Show  entries

[First](#) [Previous](#) [1](#) [2](#) [3](#) [4](#) [Next](#) [Last](#)

HANDLER ID	NAME	STREET	CITY	COUNTY	STATE	Z
<a href="#">INR000148288</a>	3 PRO ENVIRONMENTAL	7346 W. DIVISION ROAD	TIPTON	TIPTON	IN	
<a href="#">IND132573841</a>	A METZ	6600 W 9TH AVE	GARY	LAKE	IN	
<a href="#">INR000100453</a>	ACKERMAN OIL STORAGE	2060 S LUBE WAY	JASPER	DUBOIS	IN	
<a href="#">INR000107201</a>	ADVANCE SUB STA-CINERGY	SR 75 & CR 300	ADVANCE	BOONE	IN	
<a href="#">INR000019802</a>	ADVANCED ENVIRONMENTAL SVCS INC	1301 WOHLERT ST	ANGOLA	STEUBEN	IN	
<a href="#">INR000019794</a>	ADVANCED VACUUM SVCS	5062 W BASE RD	GREENSBURG	DECATUR	IN	
<a href="#">IND984934737</a>	AIR ROND EXPRESS	3150 CHIEF LN	INDIANAPOLIS	MARION	IN	
<a href="#">IND006366819</a>	ALCOA WARRICK OPERATIONS	4000 SR 66	NEWBURGH	WARRICK	IN	
<a href="#">IND982622359</a>	ALL AMERICAN COATING CO INC	866 ELSTON DR	SHELBYVILLE	SHELBY	IN	




# Search Results – Excel

RCRAINFO Search   US EPA							
HANDLER ID	NAME	STREET	CITY	COUNTY	STATE	ZIP CODE	LATITUDE/LONGITUDE
INR000148288	3 PRO ENVIRONMENTAL	7346 W. DIVISION ROAD	TIPTON	TIPTON	IN	46072	40.30263/-86.15309
INR000100453	ACKERMAN OIL CORP	2060 S LUBE WAY	JASPER	DUBOIS	IN	47546	38.36255/-86.94014
IND985026566	ACTION ENVIRONMENTAL INCORPORATED	5449 KEYSTONE DR	FORT WAYNE	ALLEN	IN	46825	41.12828/-85.14402
INR000107201	ADVANCE SUB STA-CINERGY	SR 75 & CR 300	ADVANCE	BOONE	IN	46102	39.995679/-86.619849
INR000019802	ADVANCED ENVIRONMENTAL SVCS INC	1301 WOHLERT ST	ANGOLA	STEUBEN	IN	46703	41.65041/-85.00438
INR000019794	ADVANCED VACUUM SERVICES	5062 W BASE RD	GREENSBURG	DECATUR	IN	47240	39.33575/-85.57538
IND982622359	ALL AMERICAN COATING CO INC	866 ELSTON DR	SHELBYVILLE	SHELBY	IN	46176	39.51214/-85.74585
INR000149146	ALTITUDE MANUFACTURING	9977 NORTH STATE ROAD 39	LA PORTE	LAPORTE	IN	46350	41.75156/-86.723932
IND086777364	AM ELECTRIC POWER CO BAER FIELD SVC CTR	8201 BAER RD	FORT WAYNE	ALLEN	IN	46809-9781	41.007572/-85.182645
INR000017616	AMERICAN COMM BARGE LINE LLC	1701 E MARKET ST	JEFFERSONVILLE	CLARK	IN	47131	38.280353/-85.720024
INR000017350	AMERICAN ENVIRONMENTAL CORP	8500 GEORGETOWN RD	INDIANAPOLIS	MARION	IN	46268	39.90845/-86.24082
INR000145292	APOLLOS WATER	108 W 1250 S	BATTLE GROUND	TIPPECANOE	IN	47920	40.568945/-86.871161
INR000129940	APPOLOS WATER	3420 FAIRFIELD CT	LAFAYETTE	TIPPECANOE	IN	47909	40.36808/-86.85531





# Ackerman Oil Storage

<p><b>ACKERMAN OIL CORP</b>          Handler ID: INR000100453          2060 S LUBE WAY          JASPER, IN 47546</p> <p><b>County Name:</b> DUBOIS</p> <p><b>Latitude:</b> 38.36255  <b>Longitude:</b> -86.94014</p> <p><b>Hazardous Waste Generator:</b></p> <p><b>Owner Name:</b> ACK INC</p>	 <p><i>*You can navigate within the map with your mouse.</i></p>																					
<p><b>No BIENNIAL REPORT data is available for the facility listed above.</b></p> <p><b>LIST OF FACILITY CONTACTS</b></p> <table border="1"> <thead> <tr> <th><u>NAME</u></th> <th><u>STREET</u></th> <th><u>CITY</u></th> <th><u>STATE</u></th> <th><u>ZIP CODE</u></th> <th><u>PHONE</u></th> <th><u>TYPE OF CONTACT</u></th> </tr> </thead> <tbody> <tr> <td>MICHAEL ACKERMAN</td> <td>PO BOX 806</td> <td>JASPER</td> <td>IN</td> <td>47547-0806</td> <td>812-482-6666</td> <td>Public</td> </tr> <tr> <td>MICHAEL ACKERMAN</td> <td>PO BOX 806</td> <td>JASPER</td> <td>IN</td> <td>47547-0806</td> <td>812-482-6666</td> <td>Permit</td> </tr> </tbody> </table>		<u>NAME</u>	<u>STREET</u>	<u>CITY</u>	<u>STATE</u>	<u>ZIP CODE</u>	<u>PHONE</u>	<u>TYPE OF CONTACT</u>	MICHAEL ACKERMAN	PO BOX 806	JASPER	IN	47547-0806	812-482-6666	Public	MICHAEL ACKERMAN	PO BOX 806	JASPER	IN	47547-0806	812-482-6666	Permit
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# Ackerman Oil Storage

Unspecified Universe for the facility listed above.

<u>HANDLER TYPE</u>	<u>LAND DISPOSAL</u>	<u>INCINERATOR</u>	<u>BOILER AND OR INDUSTRIAL FURNACE</u>	<u>STORAGE</u>	<u>TREATMENT</u>
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<u>HANDLER TYPE</u>
Transporter
Used Oil Program

No PROCESS INFORMATION is available for the facility listed above.

No NAICS Codes are available for the facility listed above.

No Waste Codes are available for the facility listed above.



# Ackerman Oil Storage

**Certified Quality under ISO-9001 Standards**





# Metalworking Lubricants

## METALWORKING LUBRICANTS COMPANY

Handler ID: IND000646950

1509 S SENATE

INDIANAPOLIS, IN 46225

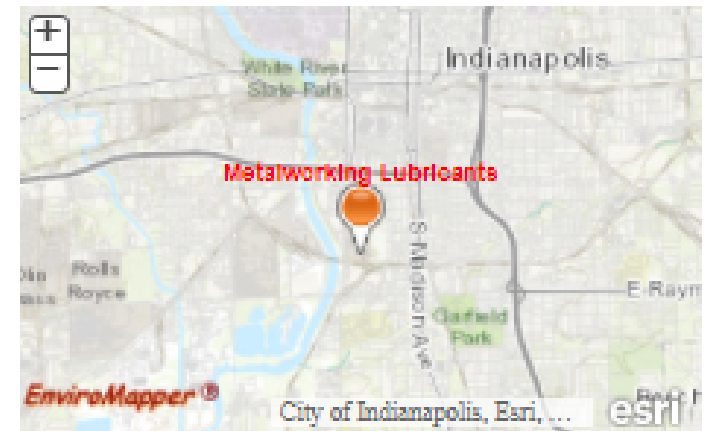
**County Name:** MARION

**Latitude:** 39.74681

**Longitude:** -86.1643

**Hazardous Waste Generator:**

**Owner Name:** METALWORKING LUBRICANTS  
COMPANY



*\*You can navigate within the map with your mouse.*

**No BIENNIAL REPORT data is available for the facility listed above.**



# Metalworking Lubricants

## LIST OF FACILITY CONTACTS

<u>NAME</u>	<u>STREET</u>	<u>CITY</u>	<u>STATE</u>	<u>ZIP CODE</u>	<u>PHONE</u>	<u>TYPE OF CONTACT</u>
MICHAEL ZIELINSKI	1509 S SENATE	INDIANAPOLIS	IN	46225	317-269-2444	Public
GARY JR BAIZE	1509 S SENATE AVE	INDIANAPOLIS	IN	46225	317-269-2444	Permit
MICHAEL ZIELINSKI	1509 S SENATE	INDIANAPOLIS	IN	46225	317-269-2444	Permit
JAMES P TOMLINSON					313-332-3500	Permit
GARY BAIZE					317-269-2444	Permit
JAMES P TOMLINSON					810-332-3500	Permit
GARY BAIZE					317-269-2444, 120	Permit
JAMES TOMLINSON	25 SILVERDOME INDUSTRIAL PARK	PONTIAC	MI	48057	313-332-3500	Permit
GARY BLAZE	1509 S SENATE	INDIANAPOLIS	IN	46225	317-269-2444	Permit
DAVID HOGG					317-632-3613	Permit



# Metalworking Lubricants

LIST OF PROCESS UNIT INFORMATION FOR GROUP #240 TANKS

<u>PROCESS CODE / DESCRIPTION</u>	<u>LEGAL OPERATING STATUS</u>	<u>UNIT OF MEASUREMENT TYPE / DESCRIPTION</u>	<u>CAPACITY TYPE / DESCRIPTION</u>	<u>QUANTITY</u>	<u>CAPACITY</u>	<u>EFFECTIVE DATE</u>
S02 - TANK STORAGE	PERMITTED - OPERATING, ACTIVELY MANAGING RCRA- REGULATED WASTE	G - GALLONS	-	1	172298	31-DEC-93
S02 - TANK STORAGE	PERMITTED - OPERATING, ACTIVELY MANAGING RCRA- REGULATED WASTE	G - GALLONS	-	2	29374	22-DEC-00
S02 - TANK STORAGE	PERMITTED - OPERATING, ACTIVELY MANAGING RCRA- REGULATED WASTE	G - GALLONS	-	2	29374	27-SEP-06
S02 - TANK STORAGE	PERMITTED - OPERATING, ACTIVELY MANAGING RCRA- REGULATED WASTE	G - GALLONS	-	2	29374	29-FEB-12
S02 - TANK STORAGE	PERMITTED - CLEAN CLOSED	G - GALLONS	-	2	29374	27-SEP-12



# Metalworking Lubricants

## LIST OF PROCESS UNIT INFORMATION FOR GROUP SWMI

<u>PROCESS CODE / DESCRIPTION</u>	<u>LEGAL OPERATING STATUS</u>	<u>UNIT OF MEASUREMENT TYPE / DESCRIPTION</u>	<u>CAPACITY TYPE / DESCRIPTION</u>	<u>QUANTITY</u>	<u>CAPACITY</u>	<u>EFFECTIVE DATE</u>
SWM - SOLID WASTE MANAGEMENT UNIT	PERMITTED - REFERRED TO CORRECTIVE ACTION FOR CLOSURE	Z - SWM-SPECIFIC	-	1	0	12-DEC-12
SWM - SOLID WASTE MANAGEMENT UNIT	PERMITTED - REFERRED TO CORRECTIVE ACTION FOR CLOSURE	Z - SWM-SPECIFIC	-	1	0	12-MAY-17

## LIST OF NAICS CODES AND DESCRIPTIONS

<u>NAICS CODE</u>	<u>NAICS DESCRIPTION</u>
324191	PETROLEUM LUBRICATING OIL AND GREASE MANUFACTURING

## LIST OF WASTE CODES AND DESCRIPTIONS

<u>WASTE CODE</u>	<u>WASTE DESCRIPTION</u>
D001	IGNITABLE WASTE



# RCRA Online

RCRA Online is an electronic database that indexes thousands of letters, memoranda, publications, and questions and answers issued by EPA's **Office of Resource Conservation and Recovery (ORCR)**. These documents represent past EPA Headquarters interpretations of the RCRA regulations governing the management of solid, hazardous, and medical waste. RCRA Online allows users to locate documents by browsing topics or performing full text or advanced searches. RCRA Online also allows users to view the actual text of the documents identified in a search.

## Find Documents in RCRA Online!

used oil	All	▼	Search
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- [How to Perform Full Text Search](#)
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- [How to Browse Topics](#)
- [Commonly Used Acronyms](#)

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- [New and Updated Documents](#)
- [System Changes](#)





# Search Results – in part

Results of 1382 for 'used oil'			
(1 of 14) <span>⏪</span> <span>⏩</span> <span>1</span> <span>2</span> <span>3</span> <span>4</span> <span>5</span> <span>6</span> <span>7</span> <span>8</span> <span>9</span> <span>10</span> <span>⏭</span> <span>⏮</span> <span>100</span> <span>⏵</span>			
RCRA # <span>⏵</span>	Date <span>⏵</span>	Document <span>⏵</span>	Document Type <span>⏵</span>
51267	2008-06-01	<p><u><a href="#">A Collection of Solid Waste Resources, 2008 Edition (CD-ROM)</a></u></p> <p>This CD contains more than three hundred publications on hazardous and nonhazardous waste including Spanish publications. The publications cover many topics including recycling and reuse, buying recycled, hazardous waste management, composting, and used motor oil. In addition, the CD includes a wide variety of educational materials. The CD also contains information about the Resource Conservation Challenge (RCC), an innovative national effort to find flexible, yet protective, ways to conserve the nation's resources.</p>	Publication
13756	1995-	<p><u><a href="#">A DETERMINATION OF WHETHER A DETOX(SM) WET OXIDATION PROCESS WOULD BE REGULATED UNDER SUBPART X OR UNDER SUBPART O</a></u></p>	Memo




# Search Results

sorting by date

14895	2017-07-27	<p><u>OFF-SPECIFICATION USED OIL</u></p> <p>This letter informs NORA ' An Association of Responsible Recyclers ' that off-specification used oil that is characteristically hazardous is considered a hazardous waste and not a non-hazardous secondary material (NHSM), as defined in section 241.2. This letter also states that any used oil that is found to be off-spec because of flashpoint is by definition characteristically hazardous for ignitability.</p>	Memo
14894	2017-07-19	<p><u>RCRA REGULATORY STATUS OF CIGARETTES AND CIGARS</u></p> <p>Unused cigarettes and cigars are not P075 listed hazardous waste when discarded. While EPA has no evidence that cigarettes and cigars exhibit any of the four hazardous waste characteristics, it is the generator's responsibility to make a hazardous waste determination including whether the waste exhibits a hazardous characteristic.</p>	Memo
		<p><u>SAFE HANDLING, STORAGE, AND TREATMENT OF WASTE FIREWORKS</u></p>	

# Search Results – Memo Detail

**Full Document:** 

**RCRA Online Number:** 14895

**Title:** OFF-SPECIFICATION USED OIL

**Document Date:** 2017-07-27

**To:** Harris

**From:** Johnson

**Organization of Recipient:** NORA

**Description:** This letter informs NORA ' An Association of Responsible Recyclers ' that off-specification used oil that is characteristically hazardous is considered a hazardous waste and not a non-hazardous secondary material (NHSM), as defined in section 241.2. This letter also states that any used oil that is found to be off-spec because of flashpoint is by definition characteristically hazardous for ignitability.

**Regulatory Citation(s):** [261.21](#), [261.6\(a\)\(4\)](#), [241.2](#) EXIT Disclaimer

**Official ORCR Policy:** Yes

**Associated Topic(s):** Combustion, Used Oil, Waste Determinations for Combusted Non-Hazardous Secondary Materials



# Search Results – Memo



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
SOLID WASTE AND  
EMERGENCY RESPONSE  
  
NOW THE  
OFFICE OF LAND AND  
EMERGENCY MANAGEMENT

JUL 27 2017

Mr. Christopher Harris  
General Counsel  
NORA  
1511 West Babcock  
Bozeman, Montana 59715

Dear Mr. Harris:

Thank you for your April 26, 2016 and November 12, 2013, letters regarding off-specification (off-spec) used oil and a non-waste determination for off-spec used oil. In your submittal (on behalf of NORA - An Association of Responsible Recyclers) you requested that EPA modify its description of off-spec used oil fuel to exclude the flashpoint criterion, in the context of 40 C.F.R. Part 241 [non-hazardous secondary material (NHSM)]. You requested that off-spec used oil be placed in the same category as on-spec used oil for purposes of determining whether the used oil is a waste or non-waste when burned for energy recovery under the NHSM rule. You also requested confirmation that off-spec used oil that is a hazardous waste solely because it exhibits a characteristic, is not an NHSM. Your interpretation is based on: 1) section 261.6(a)(4), which



# Advanced Search

Title [i](#)

To [i](#)

From [i](#)

Date [i](#)

Before

Organization of Recipient [i](#)

Regulatory Citation [i](#)

Statutory Citation [i](#)

RCRA Online Number [i](#)

RPPC Number [i](#)

NTIS Number [i](#)

EPA Number [i](#)

File Text [i](#)

Document Category [i](#)

All

Document Type [i](#)

All



Results of 3			
(1 of 1) <span>⏪</span> <span>⏩</span> <span>1</span> <span>⏪</span> <span>⏩</span> <span>100</span> ▾			
RCRA # ▾	Date ▾	Document ▾	Document Type ▾
14118	1997-09-01	<p><a href="#">GENERATOR STORAGE OF USED OIL</a></p> <p>Containers and tanks storing used oil do not need to comply with Parts 264/265, Subparts I or J, provided the used oil has not been mixed with a hazardous waste. Units other than tanks or containers (e.g., surface impoundments) storing used oil must be permitted or operating under interim status.</p>	QA
14339	1999-03-01	<p><a href="#">USED OIL SPILLS ON CONTAINMENT PADS</a></p> <p>A spill of used oil onto a containment pad would not be considered a release to the environment subject to the response steps in 279.22(d). Releases to the environment do not include releases within contained areas, such as concrete floors or impervious containment areas, unless the releases go beyond the contained areas (SEE ALSO: 57 FR 41566, 41586; 9/10/92).</p>	QA



# Advanced Search

Title **i**

To **i**

From **i**

Date **i**

Before **v**

Organization of Recipient **i**

Regulatory Citation **i**

Statutory Citation **i**

RCRA Online Number **i**

RPPC Number **i**

NTIS Number **i**

EPA Number **i**

File Text **i**

Document Category **i**

All **v**

Document Type **i**

All **v**

Search for documents that meet  **v** of the above.



Results of 4			
(1 of 1) <span>⏪</span> <span>⏩</span> <span>1</span> <span>⏪</span> <span>⏩</span> 100 ▾			
RCRA # ▾	Date ▾	Document ▾	Document Type ▾
14627	2002-08-01	<p><a href="#">CESQG MIXTURES OF USED OIL AND LISTED WASTE</a></p> <p>Mixtures of used oil and hazardous waste generated by conditionally exempt small quantity generators (CESQGs) are subject to the used oil rebuttable presumption. The rebuttable presumption applies to all used oils containing more than 1,000 ppm of total halogens (SEE ALSO: 57 FR 41566, 41579; 9/10/92). The presumption can be rebutted by documenting that the hazardous waste/used oil mixture contains only CESQG waste. The rebuttal documentation for the used oil stream should be maintained by subsequent handlers.</p>	QA
14396	1999-11-16	<p><a href="#">INTERPRETATION OF FEDERAL USED OIL REGULATIONS</a></p> <p>Spent petroleum-based solvents do not meet definition of used oil. Spent petroleum-based solvents are subject to hazardous waste determination. Spent petroleum-based solvents that are intentionally mixed with used oil (e.g., to make fuel oils) can be regulated as used oil under 279.10(b). Hazardous waste determination required prior to mixing.</p>	Memo





EPA530-R-02-005h

## RCRA, SUPERFUND & EPCRA CALL CENTER MONTHLY REPORT August 2002

### 1. CESQG Mixtures of Used Oil and Listed Waste

*According to the used oil management standards in 40 CFR Part 279, mixtures of used oil and conditionally exempt small quantity generator (CESQG) hazardous waste regulated under Section 261.5 are subject to regulation as used oil under Part 279 (Section 279.10(b)(3)). A CESQG generates a hazardous spent solvent (F005) and waste oil that meets the definition of used oil as specified in Section 279.1. Prior to shipping the used oil off site to a used oil collection center, the CESQG mixes the listed F005 waste and used oil together in a container, generating a mixture containing 2,000 ppm total halogens. Since the used oil/F005 mixture originates from a CESQG, would the mixture be subject to the rebuttable presumption under the Part 279 used oil provisions?*

The mixture is subject to the rebuttable presumption, since the rebuttable presumption provisions apply to all used oils containing more than 1,000 ppm of total halogens (with the exception of metalworking oils and used oils destined for reclamation which are contaminated with chlorofluorocarbons (CFCs) removed from refrigeration units as specified in Sections 279.10(b)(ii)(A) and (B)) (57 FR 41566, 41579; September 10, 1992). In this situation, the presumption of mixing can be rebutted by providing convincing documentation to show that the mixture is an excluded CESQG used oil mixture covered under Sections 261.5(j) and 279.10(b)(3). In addition, the rebuttal documentation for this used oil stream should be maintained by subsequent used oil handlers. Rebuttals from each generator of used oil are necessary to rebut the presumption of mixing when used oils from multiple sources are combined and the total halogen concentration of the mixture is greater than 1,000 ppm.



# Advanced Search

Title **i**

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To **i**  From **i**  Date **i** Before **v**

---

Organization of Recipient **i**  Regulatory Citation **i**  Statutory Citation **i**

---

RCRA Online Number **i**  RPPC Number **i**  NTIS Number **i**

EPA Number **i**

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File Text **i**

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Document Category **i**  **v** Document Type **i**  **v**

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Search for documents that meet  **v** of the above.



Results of 2

(1 of 1) 1 100

RCRA #	Date	Document	Document Type
13257	1989-03-01	<p><u><a href="#">DEFINITION OF SPENT SOLVENT</a></u></p> <p>Cutting oil containing 80 percent 1,1,1-trichloroethane, before use, is not F002 when spent. 1,1,1-trichloroethane is used as an ingredient, which is not a use covered by the F001-F005 spent solvent listings.</p>	QA
13639	1993-11-17	<p><u><a href="#">REGULATORY STATUS OF USED CUTTING OILS AND USED OIL COATED STEEL TURNINGS GENERATED DURING MACHINING OPERATIONS</a></u></p> <p>Cutting oils, including those removed from steel turnings, may be regulated as used oil. The steel turnings would be regulated as used oil as a material containing or otherwise contaminated with used oil, if used oil is visibly dripping. After the oil is removed, the steel turnings are not used oil. Steel turnings may meet the definition of scrap metal.</p>	Memo



9444.1989(02c)

RCRA/Superfund/OUST Hotline Monthly Report Question

March 1989

## 2. Definition of Spent Solvent

The owner of a metal working facility uses a cutting oil to cool and lubricate metals during a drilling process. The cutting oil is purchased as a product and consists of 80% 1,1,1-trichloroethane and 20% lubricating oil. When spent, the fluid is sent for disposal. Would this material meet the F002 listing found in 40 CFR Section 261.31?

...

(dissolve) or mobilize other constituents. For example, solvents used in degreasing, cleaning, fabric scouring, as diluents, extractants, reaction and synthesis media, and similar areas are covered under the listings (when spent). A solvent is considered 'spent' when it has been used and is no longer fit for use without being regenerated, reclaimed, or otherwise reprocessed (50 FR 53316)." However, the December 31, 1985, Federal Register also specifies that "process wastes where solvents were used as reactants or ingredients in the formulation of commercial chemical products are not covered by the listing. The products themselves are also not covered (50 FR 53316)." The 1,1,1-trichloroethane, in this circumstance is being used as a cooling ingredient in the formulation of product cutting oil. The metal working facility is

# **EPA RCRA Online**

## **examples of what can be discovered**

- Specification used oil fuel -  
<https://rcrapublic.epa.gov/rcraonline/details.xhtml?rcra=12554>
- Used oil fired space heaters -  
<https://rcrapublic.epa.gov/files/14280.pdf>
- Mixing hazardous waste with used oil -  
<https://rcrapublic.epa.gov/files/12567.pdf>



# You can always reach out to CTAP for help!

