

# Utah Used Oil Recycling Program

Applicability, Prohibitions and Definitions  
R315-15-1



WASTE MANAGEMENT  
& RADIATION CONTROL

Leonardo Calcagno  
Environmental Scientist  
*April 2023*

### The Division of Waste Management and Radiation Control

- ❑ *Title 19-1-105*, Creation of department of Environmental Quality and the Division of Waste Management and Radiation Control to administer the Used Oil Management Act (Title 19-6-7)
- ❑ *Title 19-6-7*, Used Oil Management Act ensures compliance with 40 CFR 279, Standards for the Management of Used Oil

### Used oil, a valuable petroleum resource

- ❑ *Title 19-6-7.702*, Legislative findings
  - Millions of gallons of used oil are generated each year in Utah
  - This oil is a valuable petroleum resource that can be recycled instead of wastefully disposed of or improperly used
  - Used oil should be collected, treated, and reused... therefore, the collection, recycling, and reuse of used oil is in the public interest

# Applicability, Prohibitions, and Definitions

## R315-15-1

### Applicability

- ❑ To identify materials subject to regulation as used oil under R315-15.
- ❑ To identify materials not subject to R315-15, which may be hazardous waste subject to R315-261 (Identification and listing of HW).

### Used Oil

- ❑ It is presumed that used oil is to be recycled unless a used oil handler disposes or sends used oil for disposal.
- ❑ The Rules apply to used oil and materials identify as being subject to the Rules whether or not these exhibit any *characteristics* of HW.
- ❑ The Rules do not apply to used oil meeting the specifications requirements for used oil burned for energy recovery in R315-15-1.2.

## What is USED OIL?

- ❑ ...Any oil, refined from crude oil or synthetic oil, that has been used and as a result of that use is contaminated by physical or chemical impurities.
  - Engine oils
  - Transmission fluid
  - Compressor oils
  - Metalworking oils
  - Hydraulic oils
  - Brake fluid
  - Oils used as buoyant
  - Lubricating greases
  - Electrical insulating and dielectric oils

# Applicability, Prohibitions, and Definitions

## R315-15-1

- ❑ Used oil **is NOT**
  - Waste oil \*
  - Expired oil
  - Non-used virgin oil
  - Virgin oil tank bottoms
  - Vegetable oil
  - Animal fat
  - Petroleum distillates (solvents)
  - Antifreeze
  - Kerosene

\* Oil that has not been used but is found to be unsuitable for its originally intended purpose.

# Applicability, Prohibitions, and Definitions R315-15-1

Used oil can become

- Fuel oil
- Bunker fuel
- Re-refined motor oil



## Mixtures of used oil and hazardous waste (Listed HW)

- ❑ Certain mixtures of used oil and HW are subject to HW regulations under R315-261.

## Rebuttable Presumption

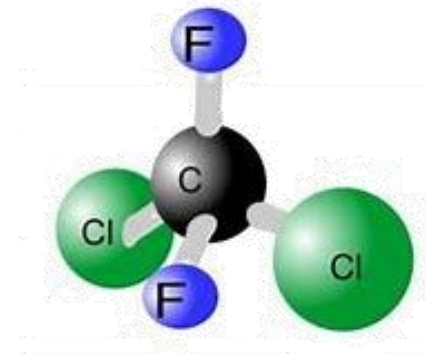
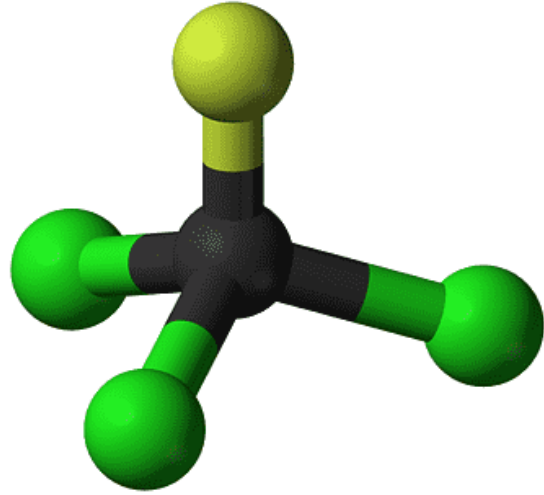
- ❑ Used oil containing  $>1,000$  ppm total halogens is presumed to be a HW.
- ❑ Unless a person can demonstrate that the used oil does not contain hazardous waste (Analytical method from SW-846, Edition III, Update IV).

## Rebuttable Presumption (Metalworking oils/fluids)

- ❑ Does not apply to metalworking oils/fluids containing chlorinated paraffins processed through a **tolling arrangement**, to reclaim metalworking oils/fluids.
- ❑ Does apply to metalworking oils/fluids if such oils/fluids are recycled in any other manner or disposed of.







### Rebuttable Presumption (Chlorofluorocarbons)

- Does not apply to used oils contaminated with CFCs removed from refrigeration units where the CFCs are destined for reclamation.
- Does apply to used oils contaminated with CFCs that have been mixed with used oil from sources other than refrigeration units.

## Mixtures of used oil and hazardous waste (Characteristic HW)

Mixture of used oil and HW that solely exhibits one or more of the HW **characteristics** or is **listed** solely because it exhibits one or more of the **characteristics** of HW are subject to:

### HW regulations:

- If the resultant mixture exhibits any **characteristics** of HWs

### Used oil regulations:

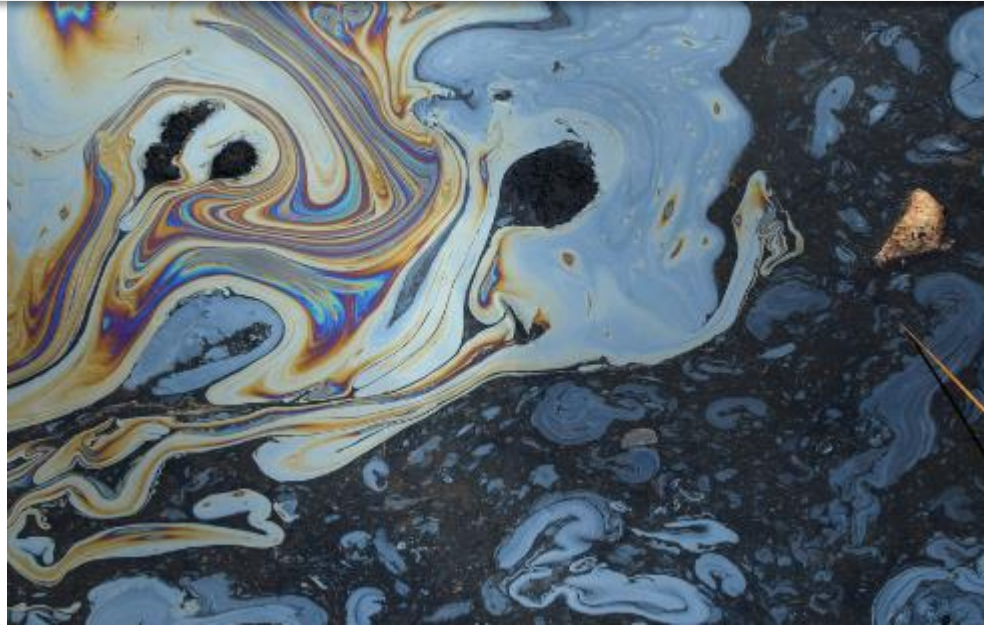
- If the resultant mixture does not exhibit any **characteristics** of HWs
- For ignitability, if the resultant mixture does not exhibit any characteristics of ignitability

## Mixtures of used oil and hazardous waste (VSQG of HW)

- Mixtures of used oil and very small quantity generator hazardous waste regulated under Section R315-262-14 are subject to regulation as used oil under R315-15.

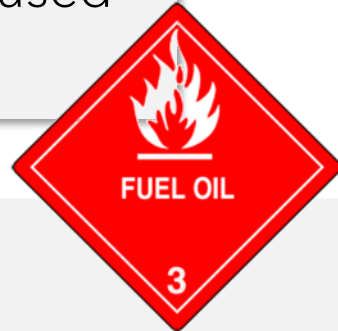
## Materials containing or otherwise contaminated with used oil

- ❑ Not subject to used oil regulations:
  - If the used oil has been properly drained or removed to the extent possible (no visible signs of free-flowing oil remain).
  - If applicable, are subject to the hazardous waste regulations.
- ❑ Subject to used oil regulations:
  - If burned for energy recovery.
  - Drained or removed from materials containing or otherwise contaminated with used oil.



## Mixtures of used oil with products

- Subject to** used oil regulations:
  - Mixtures of used oil and fuels or other fuel products.
- Not subject to** used oil regulations:
  - Mixtures of used oil and diesel fuel mixed on site by the generator for use in the generator's own vehicles, after the used oil and diesel fuel have been mixed.



## Materials derived from used oil

- Not subject to** used oil or HW regulations:
  - Reclaimed from used oil (used beneficially, not burned or for disposal) are not used oil (e.g., re-refined lubricants) and are not solid wastes.
- Subject to** used oil regulations:
  - Produced from used oil that are burned for energy recovery (e.g., used oil fuels).

(Continue)

- ❑ Not subject to used oil and may be **subject to HW**:
  - Materials derived from used oil that are disposed of or used in a manner constituting disposal, and are solid wastes.
- ❑ Not subject to used oil:
  - Re-refining distillation bottoms that are used as feedstock to manufacture asphalt products.



## Wastewater

- ❑ Not subject to used oil regulations:
  - If contaminated with de minimis quantities of used oil (subject to the Clean Water Act), including wastewaters at facilities that have eliminated the discharge of wastewater.
- ❑ Subject to used oil regulations:
  - If the used oil is discarded as a result of abnormal manufacturing operations resulting in substantial leaks, spills, or other releases, or to used oil recovered from wastewaters.

Used oil introduced into crude oil pipelines or a petroleum refining facility

- ❑ **Exempt from the requirements of R315-15:**
  - Used oil mixed with crude oil or natural gas liquids (e.g., in a production separator or crude oil stock tank) for insertion into a crude oil pipeline.
  - Mixtures of used oil and crude oil or natural gas liquids containing less than 1% used oil that are being stored or transported to a crude oil pipeline or petroleum refining facility for insertion into the refining process at a point prior to crude distillation or catalytic cracking.
  - Used oil that is inserted into the petroleum refining facility process before crude distillation or catalytic cracking without prior mixing with crude oil, provided that the used oil constitutes less than 1% of the crude oil feed to any petroleum refining facility process unit at any given time.

## Applicability, Prohibitions, and Definitions R315-15-1

(Continue)

- Used oil that is introduced into a petroleum refining facility process after crude distillation or catalytic cracking, only if the used oil meets the specification of R315-15-1.2.
- Used oil that is incidentally captured by a hydrocarbon recovery system or wastewater treatment system as part of routine process operations at a petroleum refining facility and inserted into the petroleum refining facility process.
- Tank bottoms from stock tanks containing exempt mixtures of used oil and crude oil or natural gas liquids



# Applicability, Prohibitions, and Definitions

## R315-15-1

(Continue)

- ❑ Subject to the requirements of R315-15:
  - Prior to the mixing of used oil with crude oil or natural gas liquids.
  - Prior to insertion into the petroleum refining facility process.
  - Used oil that is intentionally introduced into a hydrocarbon recovery system (e.g., by pouring collected used oil into the wastewater treatment system).

# Applicability, Prohibitions, and Definitions

## R315-15-1

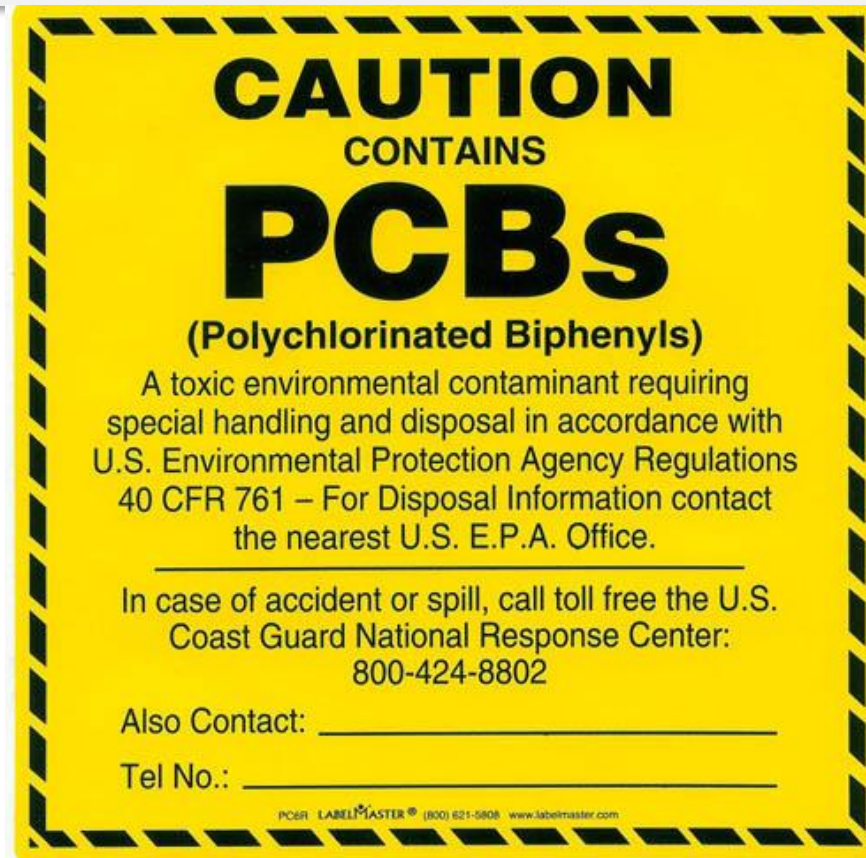


### Used oil on vessels

- ❑ Subject to the requirements of R315-15:
  - Used oil produced on vessels from normal shipboard operations until it is transported ashore.

## Used oil containing PCBs

- ❑ Subject to the requirements of R315-15:
  - In addition to the requirements of R315-15, marketers and burners of used oil who market used oil containing PCBs at concentrations  $\geq 2$  ppm are subject to the PCB requirements found in R315-15-18 and 40 CFR 761.20(e).

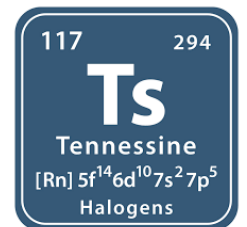
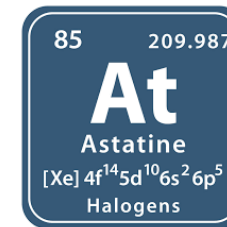
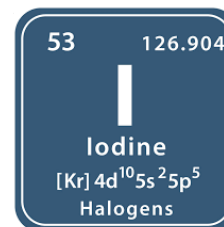


### Used oil specifications

- ❑ Used oil burned for energy recovery, and any fuel produced from used oil is subject to the used oil Rules until:
  - Has been demonstrated not to exceed any allowable levels for certain constituents and properties
  - The person making that claim complies with the Standards for used oil fuel marketers; and
  - The used oil is delivered to a used oil burner.

(Continue)

- Arsenic 5 ppm maximum
- Cadmium 2 ppm maximum
- Chromium 10 ppm maximum
- Lead 100 ppm maximum
- Flash point 100 degrees F minimum
- Total halogens 4,000 ppm maximum



### Prohibitions

- ❑ A person may not place, discard, or otherwise dispose of used oil:
  - Surface impoundment and waste piles, unless the units are subject to regulation under R315-264 or R315-265.
  - Use as a dust suppressant, weed suppressant, or for road oiling or other similar use. Any disposal of used oil on the ground is prohibited under Utah Code Annotated 19-6-706(1)(a)(iii).
  - Mix or commingle with the following substances, except as incidental to the normal course of processing, mechanical, or industrial operations:

## Applicability, Prohibitions, and Definitions R315-15-1

### (Continue)

- Solid waste that is to be disposed of in any SW TSDF, except as authorized by the Director; or
- Any HW so the resulting mixture may not be recycled or used for other beneficial purpose as authorized under R315-15.
- Disposed in a SW TSDF, except for the disposal of HW used oil as authorized under HW Rules (R315-261).
- Disposed in sewers, drainage systems, septic tanks, surface or ground waters, watercourses, or any body of water.

# Applicability, Prohibitions, and Definitions

R315-15-1





## Burning used oil in particular units

- ❑ Off-specification used oil fuel may be burned for energy recovery only in the devices described in the Rules [R315-15-6.2(a)].

## Disposal of de minimis used oil

- ❑ Does not apply to release of de minimis quantities of used oil to land or water as identified under Utah Code Annotated 19-6-706(4)(a) except for the requirements of 19-6-706(4)(a)(i) and (ii).
- ❑ May dispose of an item or substance that contains de minimis amounts of oil in disposal facilities in accordance with Utah Code Annotated 19-6-706(2)(a) if:
  - To the extent that all oil has been reasonably removed from the item or substance; and
  - No free-flowing oil remains in the item or substance.

# Applicability, Prohibitions, and Definitions

R315-15-1



# Applicability, Prohibitions, and Definitions

R315-15-1



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R315-15-1



## Disposal of used oil filters

- ❑ May dispose of a non-terne plated used oil filter as a non-hazardous solid waste when that filter is:
  - Not mixed with hazardous waste defined in R315-261.
  - Punctured (filter anti-drain back valve or the filter dome end) and gravity hot-drained;
  - Gravity hot-drained and crushed;
  - Dismantled and gravity hot-drained; or
  - Any other equivalent gravity hot-draining method authorized by the Director.

"Gravity hot-drained" = drained for not less than 12 hours near operating temperature but above 60 °F.

**Applicability, Prohibitions, and Definitions**  
**R315-15-1**



## Laboratory analysis

- ❑ Laboratory analyses used to satisfy the requirements of R315-15 shall be performed by a laboratory that holds a current Utah Certification for environmental laboratories issued by the Utah Department of Health, Laboratory Improvement under R444-14 Utah Administrative Code.
- ❑ The laboratory shall be certified for the method(s) and analyte(s) applied to generate the environmental data.

Find [Utah Certified laboratories](#)

# Applicability, Prohibitions, and Definitions

## R315-15-1





## Used oil inspections

- Any duly authorized employee of the Director, may, at any reasonable time and upon presentation of credentials, have access to and the right to copy any records relating to used oil, and inspect, audit, or sample.
- Any authorized employee obtaining samples shall give to the owner, operator or agent a receipt describing the sample obtained and, if requested, a portion of each sample of waste equal in volume or weight to the portion retained.
- The employee may also make record of the inspection by photographic, electronic, audio, video, or any other reasonable means.

# Applicability, Prohibitions, and Definitions

## R315-15-1

### Violations, orders, and hearings

- ❑ If the Director has reason to believe a person is in violation of any provision of R315-15, procedural requirements for compliance shall follow Utah Code Annotated 19-6-721 and Utah Administrative Code R305-7.

# Questions?



Visit Used Oil Program [Website](#)

Or

Call DWMRC Used Oil Section (801) 536-0200