

Florida Department of Environmental Protection



Hazardous Waste Section

Management Standards for Used Oil, Used Oil Filters, and Antifreeze





Used Oil Generator Requirements & Management

- 40 CFR 279 and Chapter 62-710, FAC
- Any facility generating used oil becomes a used oil generator
- Any oil that has become contaminated and is not reusable becomes used oil
- Used oil must be properly managed in tanks or containers.

Prohibitions



- May not pour or spill used oil on to soil, waterways, stormdrains, etc.
- May not mix used oil with solid waste.
- Used oil may not be used for road oiling or weed control.



Used Oil Tanks and Containers

Used oil should be managed in tanks or containers

40 CFR 279.22(a)





Used Oil Tank – Good Condition

40 CFR 279.22(b)





Used Oil Container – Bad Condition

40 CFR 279.22(b)





Used Oil Tank – Leaking

40 CFR 279.22(b)





Used Oil Container – Not Leaking





Used Oil Container – Leaking



Not in secondary containment, bad condition, leaking, and it's unlabeled



Used Oil Labels – Good



Clearly labeled Used Oil



Used Oil Labels - Good





Used Oil - Labels

279.22(c)(1)



Waste Oil or Used Oil?



Secondary Containment

62-710.401(6), Florida Administrative Code (FAC)

- If tanks or containers are not stored inside a structure, the containers shall be closed, covered or otherwise protected from the weather.
- If tanks or containers are not double-walled, they shall be stored on an oil-impermeable surface such as sealed concrete or asphalt,
- And must have secondary containment which has the capacity to hold 110% of the volume of the largest tank or container within the containment area.



Secondary Containment - Good

62-710.401(6), FAC



Secondary Containment

Should be capped- 62-710.401(6), FAC





Secondary Containment - Leaking

62-710.401(6), FAC





Used Oil Container – Outside Open

62-710.401(6), FAC





Used Oil - Outside

Not double-walled, but
in secondary cont.



Double-walled

62-710.401(6), FAC



Used Oil - Outside Don't

62-710.401(6), FAC





Used Oil - Outside Don't

62-710.401(6), FAC





Used Oil - Outside Don't

62-710.401(6), FAC





Used Oil - Not adequate secondary containment

62-710.401(6), FAC





Used Oil - Not adequate secondary containment

62-710.401(6), FAC





Used Oil - Not adequate secondary containment

62-710.401(6), FAC





Used Oil - Not adequate secondary containment



Not impervious if grass can grow through it.



Used Oil - Not adequate secondary containment



Its not really containment if it can't contain a spill



Used Oil - Outside Don't





Used Oil - Releases

40 CFR 279.22(d)

Releases of used oil:

- (1) Stop the release
- (2) Contain the used oil
- (3) Clean up the release and manage the contaminated material properly
- (4) Repair or replace the leaking units prior to returning them to service



Used Oil - Releases

40 CFR 279.22(d)





Used Oil - Releases

40 CFR 279.22(d)





Used Oil - Releases

40 CFR 279.22(d)





Used Oil - Releases

40 CFR 279.22(d)





Used Oil - Releases

40 CFR 279.22(d)





Used Oil - Release

40 CFR 279.22(d)





Used Oil Spill /Leak Response

40 CFR 279.22(d)



Before.....After

Used Oil - Releases



Before – 40 CFR 279.22(d)



After

Oily Mop Water

- Manage as used oil or oily water
- Can not discharge to septic tank
- Can not dump outside



Oily mop water – Don't

40 CFR 279.22(d)





Used Oil Filter Requirements

Management 62-710.850(5), FAC

- Used oil filters must be managed in containers that are:
 - In good condition and not leaking
 - Stored covered or inside
 - Labeled “Used Oil Filters”
 - Stored on an oil impervious surface



Used Oil Filter Requirements

62-710.850(1), FAC





Used Oil Filter Requirements – Good Condition

62-710.850(5)(a)

In good condition and not leaking





Used Oil Filter Requirements - Condition

62-710.850(5)(a)





Used Oil Filter Requirements – Bad

62-710.850(5)(a)

Should be closed or otherwise protected from environment





Used Oil Filter Requirements - Good

62-710.850(5)(a)
Labeled





Used Oil Filter Requirements - Labels



Used Oil Filter Storage - Bad

62-710.850(5)(a)





Used Oil Filter Storage – Good

Oil Impermeable Surface





Used Oil Filter Storage – Good

Oil Impermeable Surface

62-710.850(5)(a)





Used Oil Filter Storage - Bad

62-710.850(5)(a), FAC





Used Oil / Used Oil Filter Disposal Records

- Used oil / used oil filter records should include:
 - transportation by a registered transporter
 - amount of shipment
 - date of shipment
- Used oil/used oil filter records should be kept for at least 3 years



Used Antifreeze BMPs

- Any facility generating spent antifreeze becomes an antifreeze generator
- Antifreeze must either be recycled (either on-site or off-site) or characterized pursuant to 40 CFR 262.11 to see if it is a hazardous waste



Used Antifreeze Container





Used Antifreeze Container





Antifreeze Spill / Leak Response

- Spills or leaks of spent antifreeze must be addressed immediately:
 - Stop leak
 - Clean up affected area
 - Properly manage impacted material or soil
 - Repair tank or container or remove from service



Used Antifreeze BMPs





Questions?