

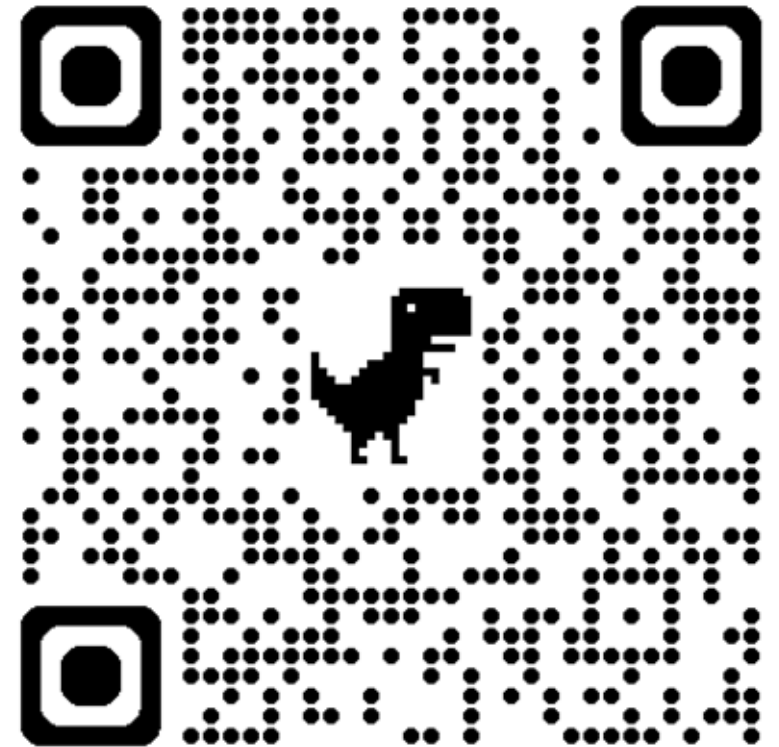
# The Dirt on Reuse

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# Solid Waste Update

- Solid Waste Cost Estimates
  - LDEQ Waste Permits Launched Cost Estimate Spreadsheet and Guidance
- Solid Waste I/II Landfill Application
  - LDEQ Launched New I/II Application and Guidance Document



# Presentation Objective

- Define “Reuse”
- Discuss (Ch. 3, 1103, 1105)
- Current reuse practices and beneficial use exemptions
- Expanding and Clarifying Reuse (Reg Change?)
- Recycling Council



# What is Reuse

- No regulatory definition
- Beneficial use – the use of waste material for some profitable purpose. Avoidance of processing or disposal cost alone does not constitute beneficial use.
- Recovered Materials – Those materials which have known recycling potential, can be feasibly recycled, and have been diverted or removed from the solid waste stream, for sale, use, or reuse, by separation, collection or processing.



# Most Common Reused Waste

- Sand Blasting media
- Contaminated Soil
- Drilling Fluids
- Ash
- Gypsum
- Recycled Materials



# Most Common Questions?

- Do I need a permit?
- How can I reuse my waste without a permit?
- Please don't make me get a permit!!
- What if someone else can permit me?



# Default

- DEQ Likes Reuse of Solid waste
- If you are processing, disposing or utilizing waste then you need a permit.
- We can never speak in specifics with a general question.



# Regulatory Network

- Its Easy, Only Six Regulation Chapters Can/May Apply to Your Client.
- **LAC 33.VII.301** – Exempted Waste
- **LAC 33.VII.303** – Waste Not Subject to Permitting or (Processing or Disposal Standards)
- **LAC 33.VII.305** – Facilities Not Subject to Permitting or (Processing or Disposal Standards)
- **LAC 33.VII.1103** – Onsite Soil Reuse
- **LAC 33.VII.1105** – Beneficial Use of Other Solid Waste
- **LAC 33.VII.307** – Exemptions –Last Resort



# LAC 33.VII.301 – Exempted Waste

- All *solid wastes*, as defined by the Act and these regulations, are subject to the provisions of these regulations, except “Items” (Self Implementing)

## **Waste regulated under other authority**

- Dep. Agriculture
- DENR – or what they call them selves
- Dept. of Health
- Uncontaminated dredge
- Uncontaminated Beneficiation

## **Waste excluded by the definition of solid waste**

- Hazardous waste
- Domestic sewage sludge
- Irrigation-return Solids
- Ditches
- Atomic Energy Act
- Compost – produced by individual
- Uncontaminated Scrap metal
- Automotive fluff



# LAC 33.VII.303 – Waste Not Subject to Permitting or Processing or Disposal Standards

Facilities that are operated in an environmentally sound manner are not subject to the permitting requirements.

- On-site disposal of woodwaste “land and right-of-way”
- Closed facilities (1981)
- Presorted recyclables
- Uncontaminated earthen materials
- Brick, stone, concrete, asphaltic road beds
- Supply water treatment plant sludge
- Petroleum-refining catalyst used as feedstocks
- Agricultural waste used for individual use
- Solid waste disposed/treated in Haz. waste facility
- Woodwaste Facilities - Dept. Ag Approval
- Soil reuse/beneficial use Facilities
- **Other Waste Deemed Acceptable**
- **Spent blasting media from unpainted surfaces**



# Common 303.A.12 Waste

The Department can pretty much choose any waste, based on environmental impact.

- Additives to concrete
- Some onsite processing
- Minor evaporators
- Cement kiln dust



# LAC 33.VII.305 – Facilities Not Subject to Permitting or (Processing or Disposal Standards)

Facilities that are operated in an environmentally sound manner are not subject to permitting.

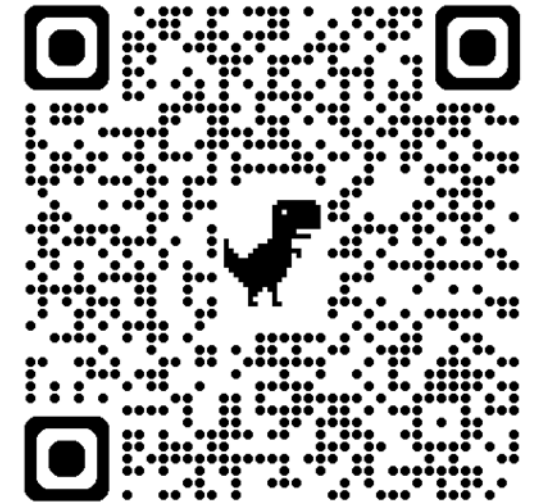
- Commercial waste incinerator – 250lb/hr limit
- On-site waste shredder, autoclaves, balers, and compactors
- Facilities that process onsite generated petroleum-contaminated media
- C&D disposal facilities that receive waste on-site
- DENR injection wells
- On-site Woodwaste Disposal facilities
- Woodwaste processing facility from utility right-of-way clearing
- Ditches that receive non-routine spillage from manufacturing or product storage areas within an industrial establishment
- Recycling Facilities – source-separated
- Medical waste processing on-site
- Transportation vehicles and municipal or parish collection container that collect and compact solid waste.



# LAC 33.VII.1103 – Onsite Soil Reuse

## LAC 33.VII.1105 – Beneficial Use of Other Solid Waste

- Requires a Beneficial Use approval by the Louisiana Department of Environmental Quality (LDEQ).
- Applicants must demonstrate that the proposed use will not adversely affect human health or the environment.
- Must have a market for the waste
- Most request go this route



Application and Guidance

# How Do I Start

- What do I do if I want to reuse or have a market to reuse a waste.
  1. Is it really a waste
  2. Check Chapter 3
  3. 303.A.12
  4. Soil/Beneficial Use
  5. Solid Waste Permit
  6. Exemption 307



# Considering Changes/Additions

- Grease trap (Many are Small Businesses)
  - Solidify for disposal
  - Process for reuse
- Used cooking oil
  - Process
  - Transfer station
- Industrial facilities that process solid waste by non-destructive non-thermal means



# Building for the Future

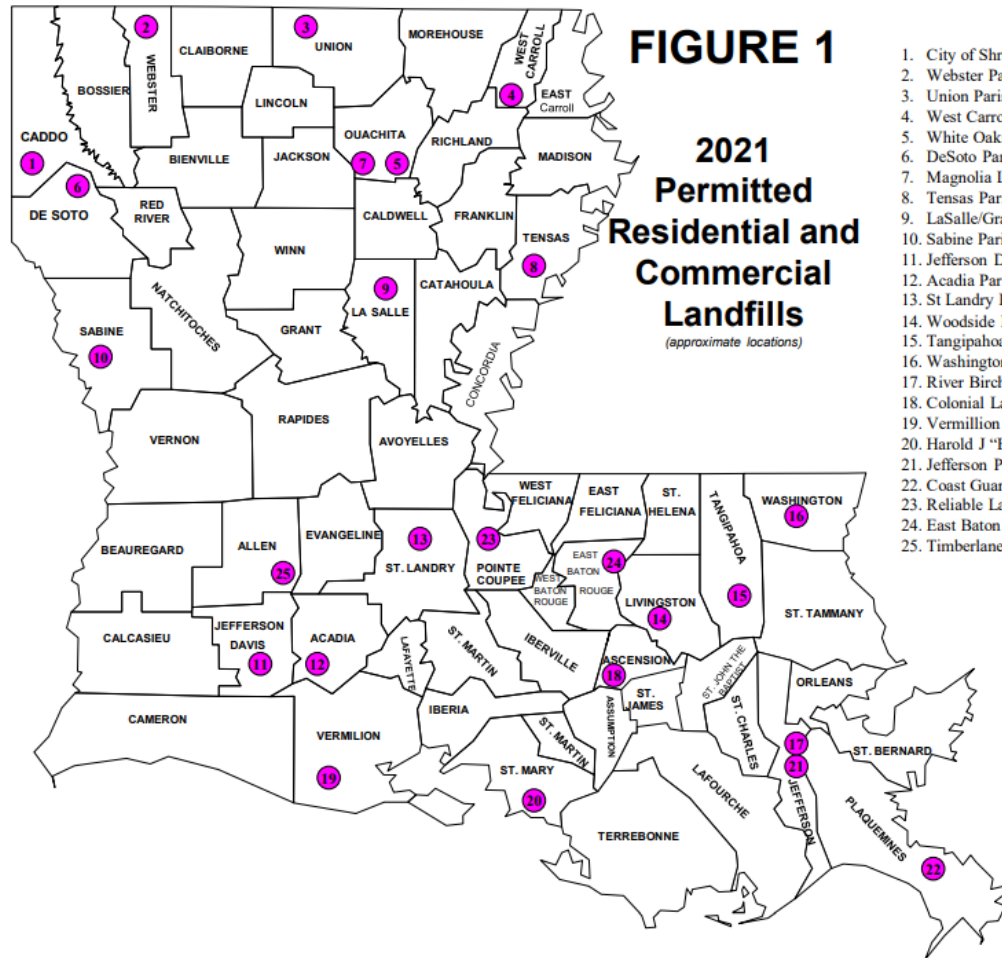
**The circular economy model:**  
less raw material, less waste, fewer emissions



# Dumps In Louisiana



# 2021 MSW Landfills



**FIGURE 1**

**2021 Permitted Residential and Commercial Landfills**

*(approximate locations)*

1. City of Shreveport/Woolworth Road Landfill
2. Webster Parish Landfill
3. Union Parish Landfill
4. West Carroll Landfill
5. White Oaks
6. DeSoto Parish (Mundy) Landfill
7. Magnolia Landfill
8. Tensas Parish Landfill
9. LaSalle/Grant Parish Landfill
10. Sabine Parish Landfill
11. Jefferson Davis Parish Landfill
12. Acadia Parish Landfill
13. St Landry Parish Landfill
14. Woodside Landfill
15. Tangipahoa Parish Regional Landfill
16. Washington Parish Landfill (Choctaw)
17. River Birch Landfill
18. Colonial Landfill
19. Vermillion Parish Landfill
20. Harold J "Babe" Landry Landfill
21. Jefferson Parish Landfill
22. Coast Guard Road Landfill
23. Reliable Landfill
24. East Baton Rouge Parish North Landfill
25. Timberlane Landfill

# Recycling Council

- RS. 2013.A.10 - To establish a **Recycling Council** composed of representatives from municipal, local, and state government, industry, business, solid waste management, academia, and organizations involved in recycling to delineate needs and to address solid waste management issues.
- Under these provisions, the Secretary wants to establish a recycling council, aimed at increasing recycling, especially with **plastics** in Louisiana.
- Council will be formed to provide advise to LDEQ Secretary and Legislature on regulatory and policy decisions to **promote waste minimization** and **encourage recycling**.



# Questions

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