

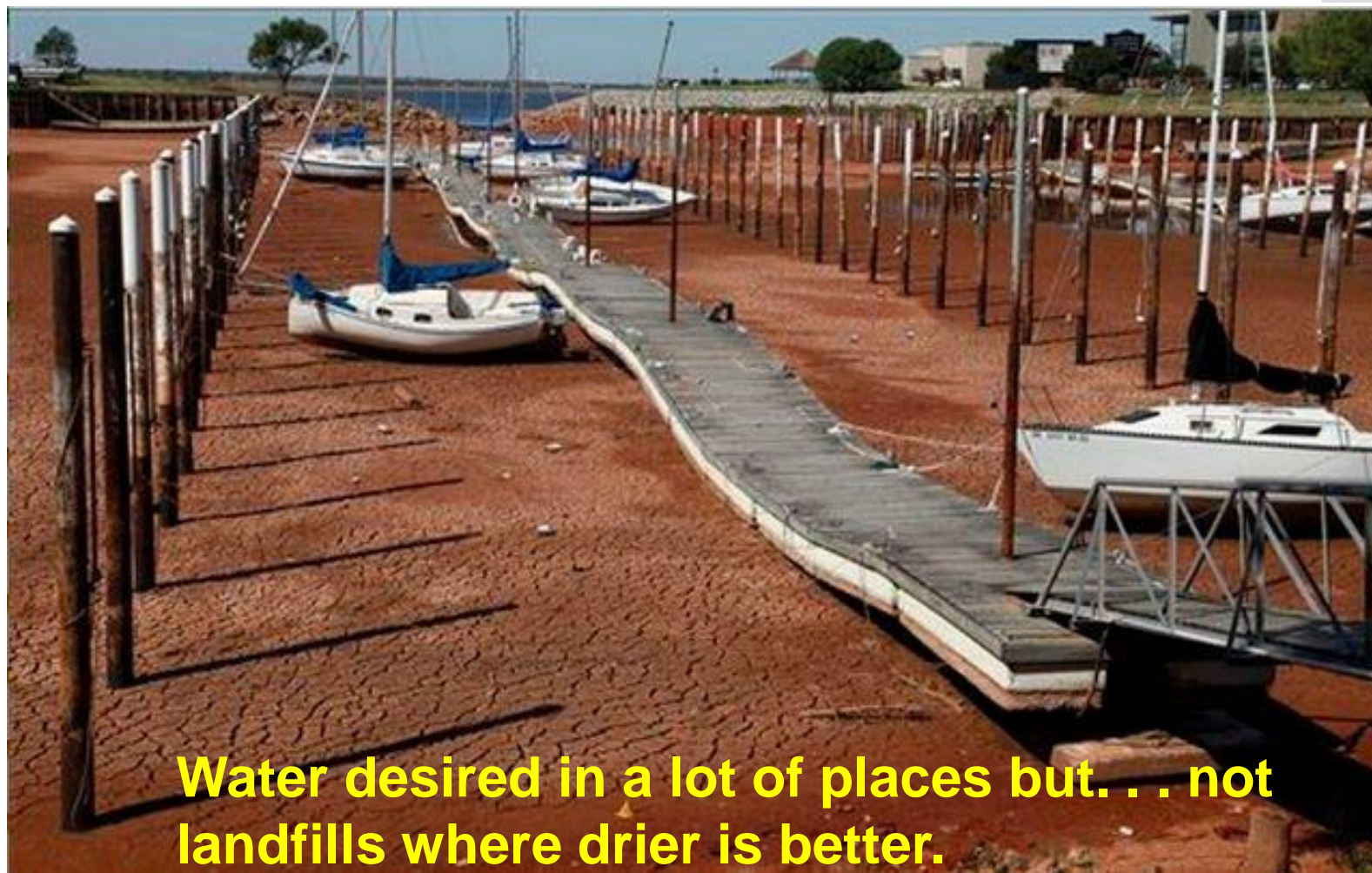
C&D Landfills



WYOMING

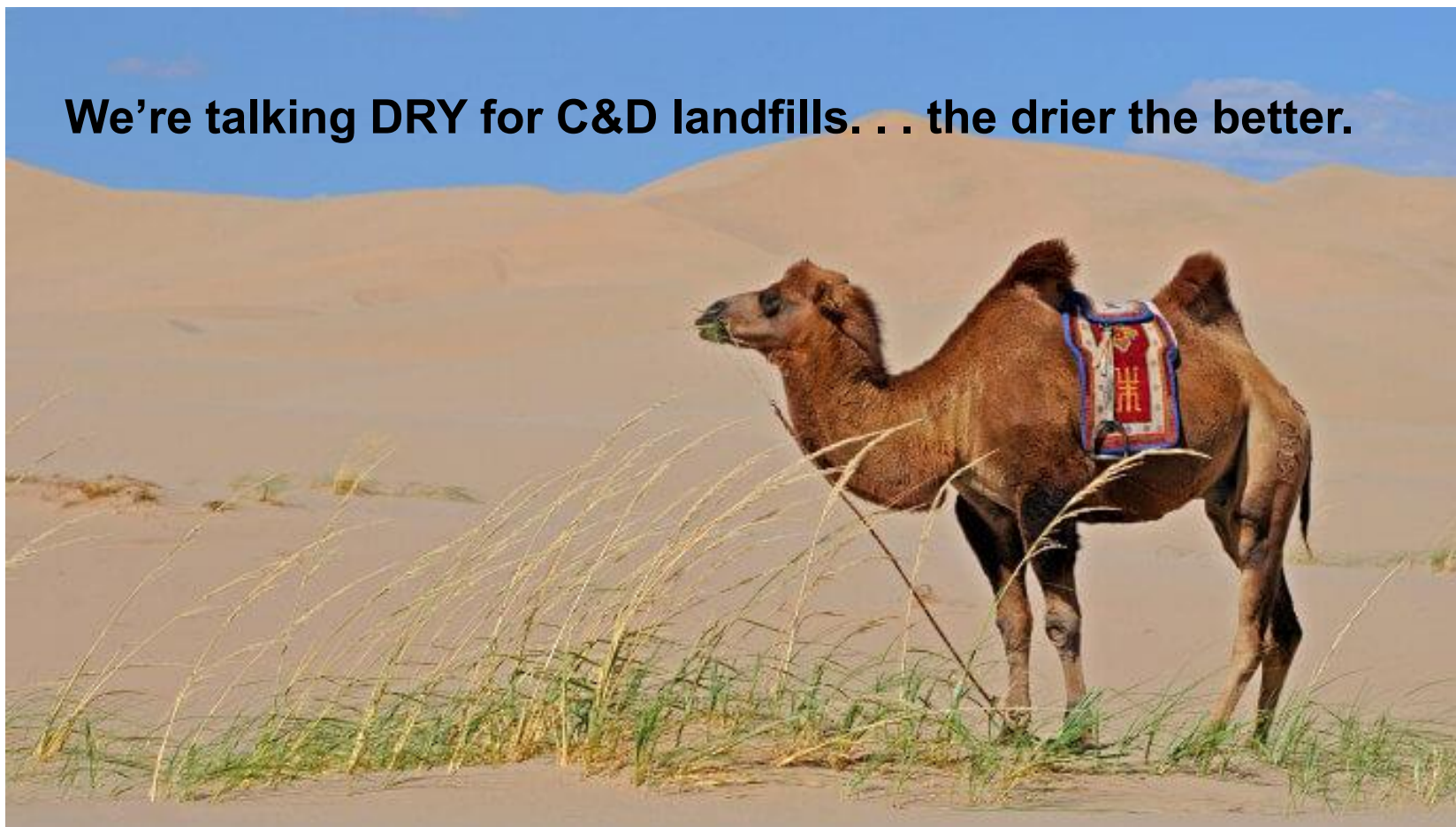
APPROVED vs. Unapproved Waste Examples

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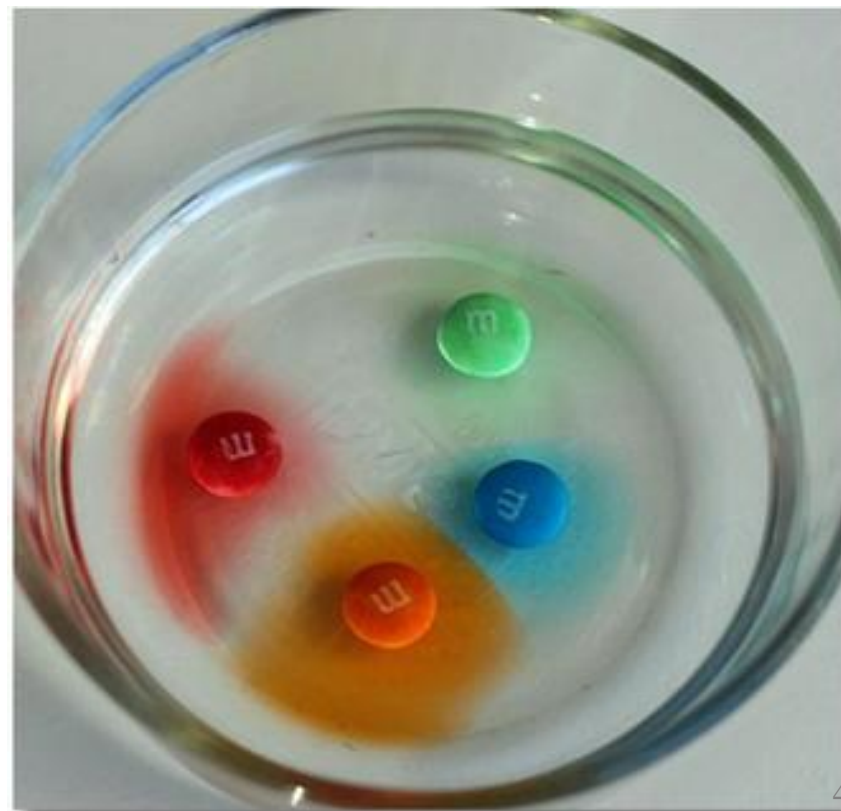
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We're talking DRY for C&D landfills. . . the drier the better.



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- ◆ Water is **UNIVERSAL** solvent for beneficial substances **AND** for **CONTAMINANTS**



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Keeping the wastes dry as possible because . . . even bone dry places are going to get wet.



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Another LIST
anyone ???



United States
Environmental Protection
Agency

Office of Land
and
Emergency Management

EPA 550-B-19-003
June 2019
www.epa.gov/epcra

LIST OF LISTS

Consolidated List of Chemicals
Subject to the Emergency
Planning and Community Right-
To-Know Act (EPCRA),
Comprehensive Environmental
Response, Compensation and
Liability Act (CERCLA) and
Section 112(r) of the Clean Air Act

- EPCRA Section 302 Extremely Hazardous Substances
- CERCLA Hazardous Substances
- EPCRA Section 313 Toxic Chemicals
- CAA 112(r) Regulated Chemicals for Accidental Release Prevention

C&D Landfills

- ◆ We got another one for you.

Table 1.
Wastes Acceptable for Disposal in an Unlined C/D Landfill.
(All wastes must pass the paint filter liquid test prior to acceptance.)

- Appliances/white goods (if refrigerants have been properly removed)
- Ash from burning wood and brush
- Asphalt (hardened paving and shingles)
- Brick
- Cabinets
- Cardboard
- Carpet and carpet pads
- Caulk and caulking tubes (dry and in small quantities from C/D sites)
- Ceiling tile
- Ceramics
- Cinder block
- Clean wood
- Concrete with or without rebar/wire mesh, asphaltic concrete
- Containers (empty, clean, and drained of all liquids and/or hazardous materials)
- Corrugated shipping containers
- Dead animal related waste:
 - Dry compost ("bones and hide") from whole big game animals, livestock and offal (a C/D Landfill may be permitted to conduct composting prior to disposal)
 - Bones, meat scraps, and hides from meat processing
 - Whole small animals (household pets)
 - All dead animal related waste must be covered by the end of each operating day
- Creosote treated railroad ties and telephone poles (weathered and in residential amounts)
- Dirt (uncontaminated)
- Driveway sealants (dry and in small quantities from C/D sites)
- Drums (empty, clean, see also containers)
- Drywall (in residential quantities from C/D sites)
- Electrical fixtures
- Electrical wiring
- Epoxies (dry and in small quantities from C/D sites)
- Fiberboard
- Fiberglass
- Flashing
- Flooring tiles
- Furniture
- Glass [except fluorescent tubes and leaded glass from cathode ray tubes (CRTs), televisions and computer monitors]
- Glues (dry and in small quantities from C/D sites)

C&D Landfills

- ◆ But we think (or hope) the list makes sense.

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Dry brick & concrete on the acceptable list makes sense



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Asbestos must be removed from demolition debris.



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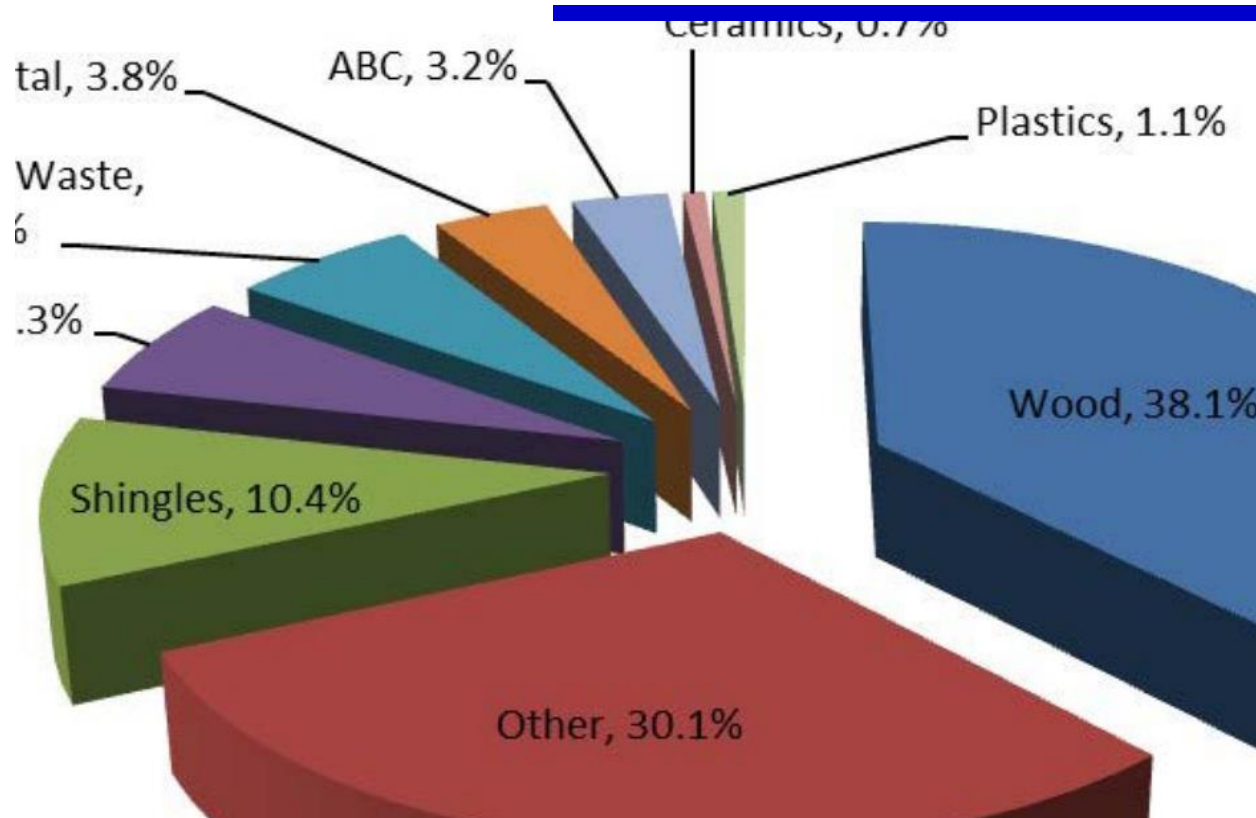


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Fiberglass seems to make sense as acceptable.



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We have to pay attention to this “Other” category in C&D.

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- ◆ For example .
. . . Epoxy in
small
quantities &
DRY

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- ◆ 5-gal and larger start to be a concern, especially uncured liquids of 2-part epoxy blends.



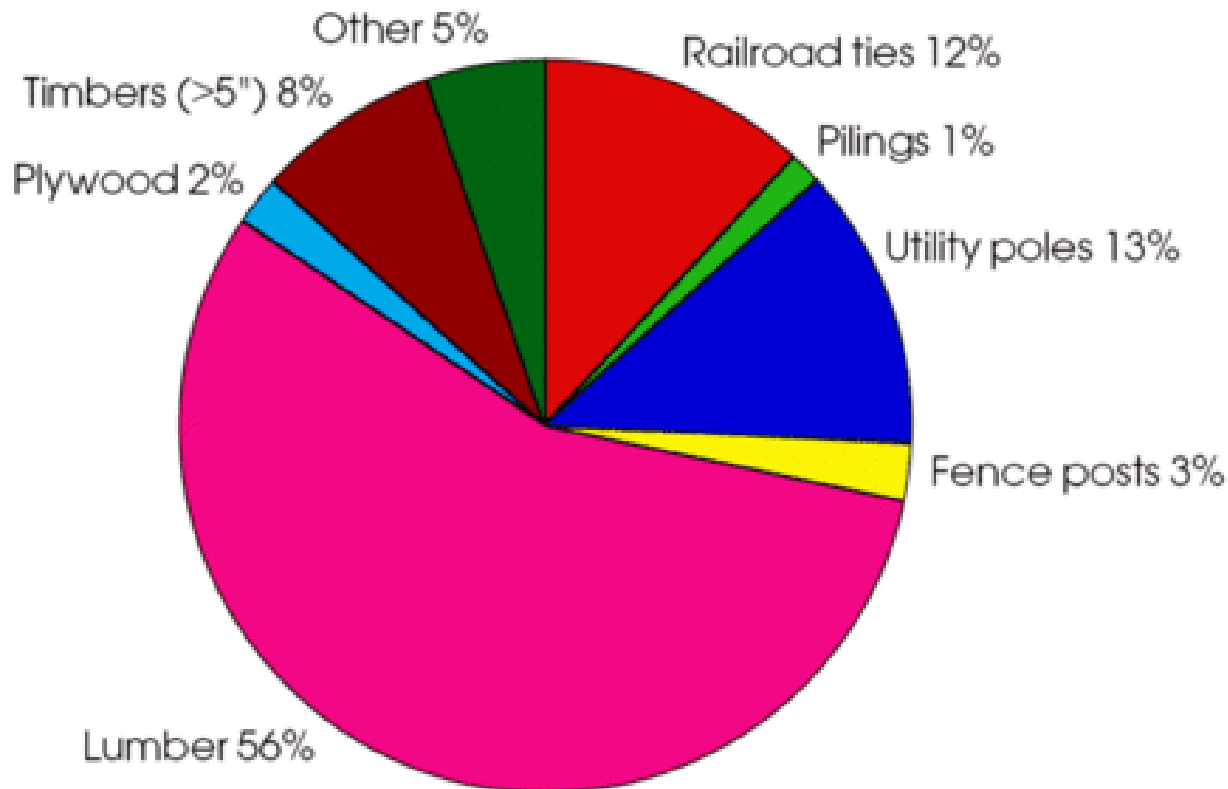
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- ◆ Epoxy starts out as liquid.



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- ◆ Categories of treated wood



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- ◆ Railroad fined \$ 90,000 for contamination from treated ties. . . they are acceptable but quantities limited to “residential”

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- ◆ uncontaminated “dirt” acceptable . . .

(Really ????? . . . this is interesting to

have on the list and really big of us)

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Other unacceptable materials which may be “dry” but tend to dissolve contaminants. . .

- coal ash

Some can be difficult to detect mixed in debris but. . . do our best

- fluorescent lamps
- mercury containing switches, etc.
- smoke detectors

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END

(Questions, clarifications)