



# **C&D Reuse**

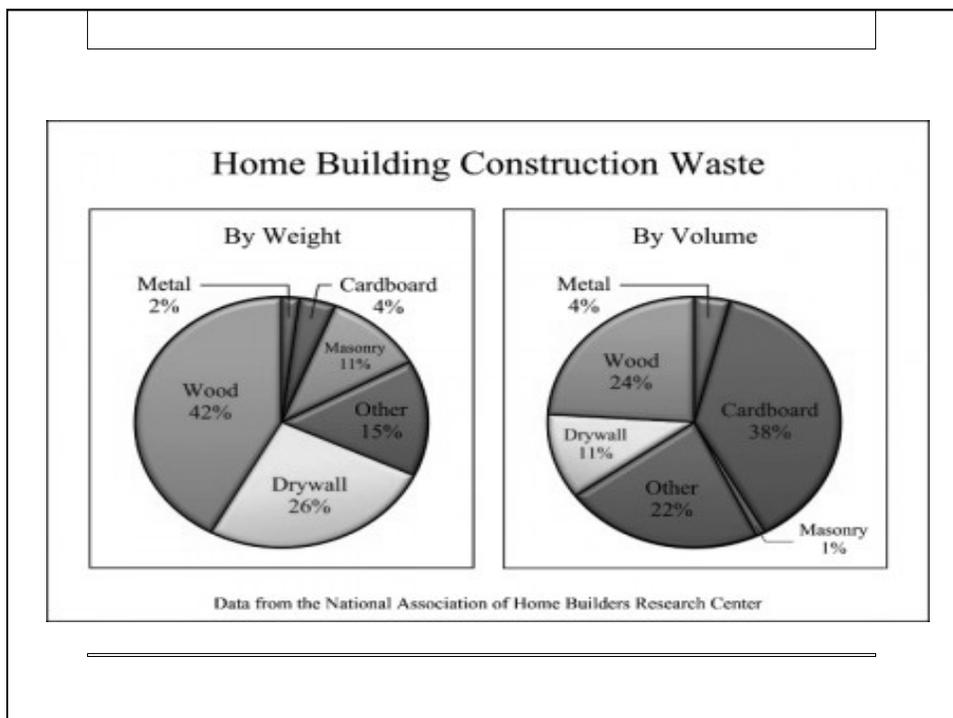
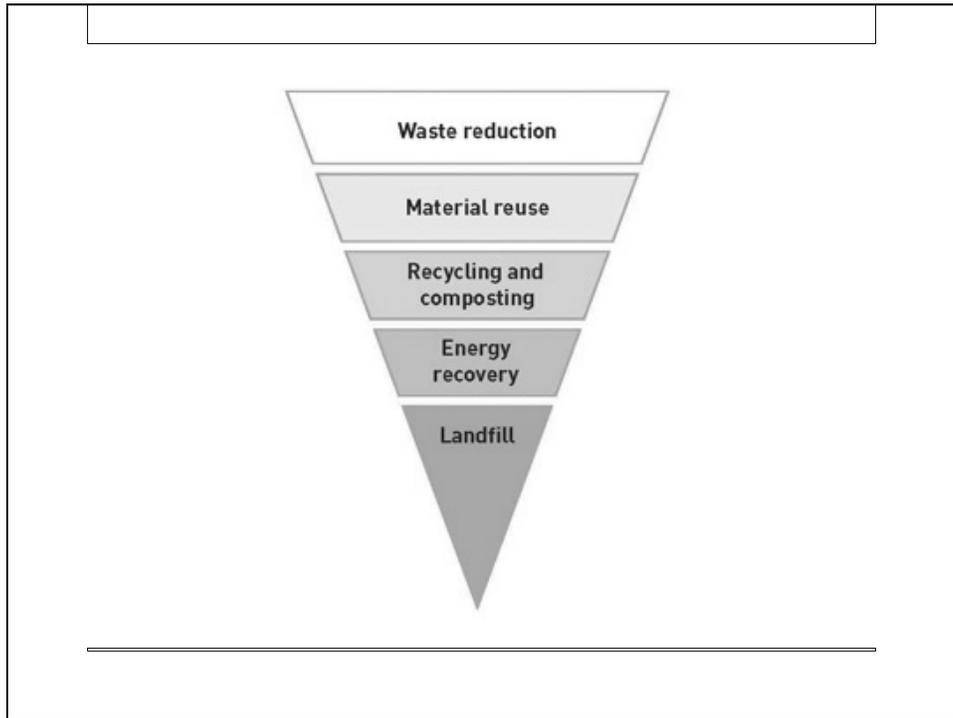
AT EXISTING SOILD WASTE FACILITIES

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- This Presentation will be geared towards NEW CONSTRUCTION...
  - Dealing with remodeling C&D materials poses many more challenges and risks and will require rigorous testing, permitting/registration(?), conditions, etc... Not enough time to cover
  - I will at one point confuse you
  - \*

**DISCLAIMER**

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- Amend your Operations Plan
  - Materials you will and will not accept
    - New versus remodel and demolition
    - Be very specific
  - Map of where this will take place at your facility
    - Access to the area
  - Traffic flows in and out
    - Customer drop off
    - Customer pick up

## **REGULATORY REQUIREMENTS**

- Source Separation Only
- How will it be managed
  - In a controlled manner as to not be scavenging
  - Customer vs. Staff unloading
  - How long the material will remain in the area
    - 1 week? 1 month? 6 months?
    - Don't "stockpile"
  - Final disposition if not taken
    - Landfill?
    - Habitat for Humanity?

## **REGULATORY REQUIREMENTS**

- C&D is defined in the Solid Waste Act, but not in the Solid Waste Rules!
  - Does not meet the definition of municipal solid waste; household waste, commercial waste; industrial waste
  - Even if the materials are recyclable or reusable, is not typically generated in conjunction with other types of waste, therefore cannot be considered “source separated recyclable materials”
    - Bottles and cans generated with other household waste therefore “source separated”

## **SOURCE SEPERATION**

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- However:
  - If segregation of specific C&D materials occurs at the job site “it could be argued” that source separation has occurred
    - Source separated for what the reuse or recycling facility takes
    - Will have monitoring requirements not to exceed set amount of contamination
  - Failure to do so will result in a violation, fines, and potentially shutting down the area
  - A permit for a processing facility is required if bringing unseparated C&D material

## **SOURCE SEPERATION**

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## **SOURCE SEPERATION?**



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- Scavenging is defined in the Solid Waste Rules as “the uncontrolled removal of solid waste from a solid waste facility”
- To avoid scavenging, your reuse area must be managed in a controlled and organized manner as to not:
  - Harm workers or the public
  - Create a nuisance
  - Stockpile MSW

## **CONTROLLED MANNER**

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**CONTROLLED?**

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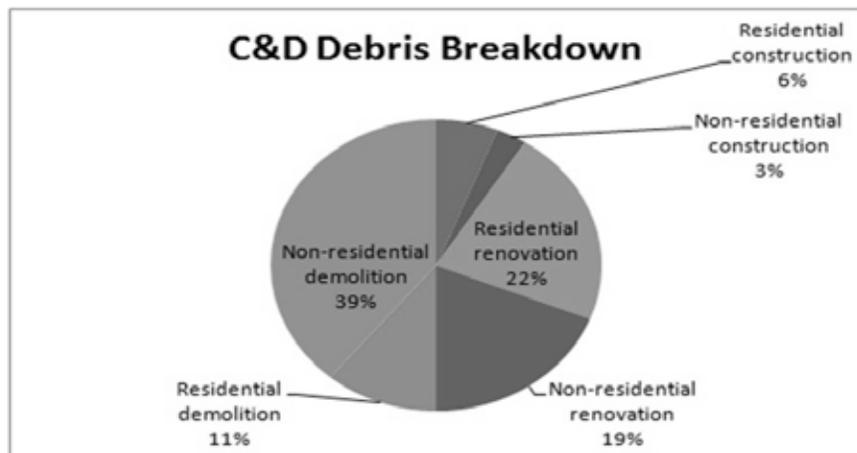


**CONTROLLED?**

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## **CONTROLLED? BY WHO?**



## **THE REALITY**

- Asbestos
- Lead
- Hazardous Materials
- Mercury
- Greater chance of contamination

## **REMODEL AND DEMOLITION**

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### **• Prohibited Materials**

- Asbestos or materials suspected of containing asbestos
  - Batteries
  - Biomedical waste
  - Black plastic garbage bags filled with debris (not opened for safety reasons)
  - Burned materials
  - Commercial garbage
  - Fluorescent light bulbs
  - Gas-filled containers (e.g. propane)
  - Hazardous materials or anything containing hazardous materials
  - Household garbage
  - Lead paint
  - Liquids, items containing liquid and saturated material
  - Materials that present a risk to our employees, equipment or facilities are recycled only at the discretion of the Site Supervisor
  - Non-recyclable materials are more than 10% of load weight
  - Plate glass and windows
  - Regulated materials that are regulated by state or federal environmental or hazardous substance laws
  - Treated or painted wood
  - Utility or telephone poles
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- Due to the potential health and safety risks, the Bureau is going to tread very cautiously (if at all) into remodeling and demolition waste reuse.
- Hard to get source separated C&D from a home remodel
- Depending on how done, will most likely require a permit (reuse and recycling)

## **GREY AREAS...**

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- This is my opinion, and my opinion only. This would need to be discussed and planned with the Chief, Permit and Enforcement Section Managers...
- If very specific, and non harmful, items are named and accepted and monitored very cautiously...maybe these items could be accepted (I.E. a stronger and more robust Ops Plan)
  - Ceramics
  - Bricks
  - Cabinetry
  - Doors
  - Untreated Lumber
  - Fixtures

## **\*POTENTIAL**

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