

KDHE Update on Solid Waste Issues

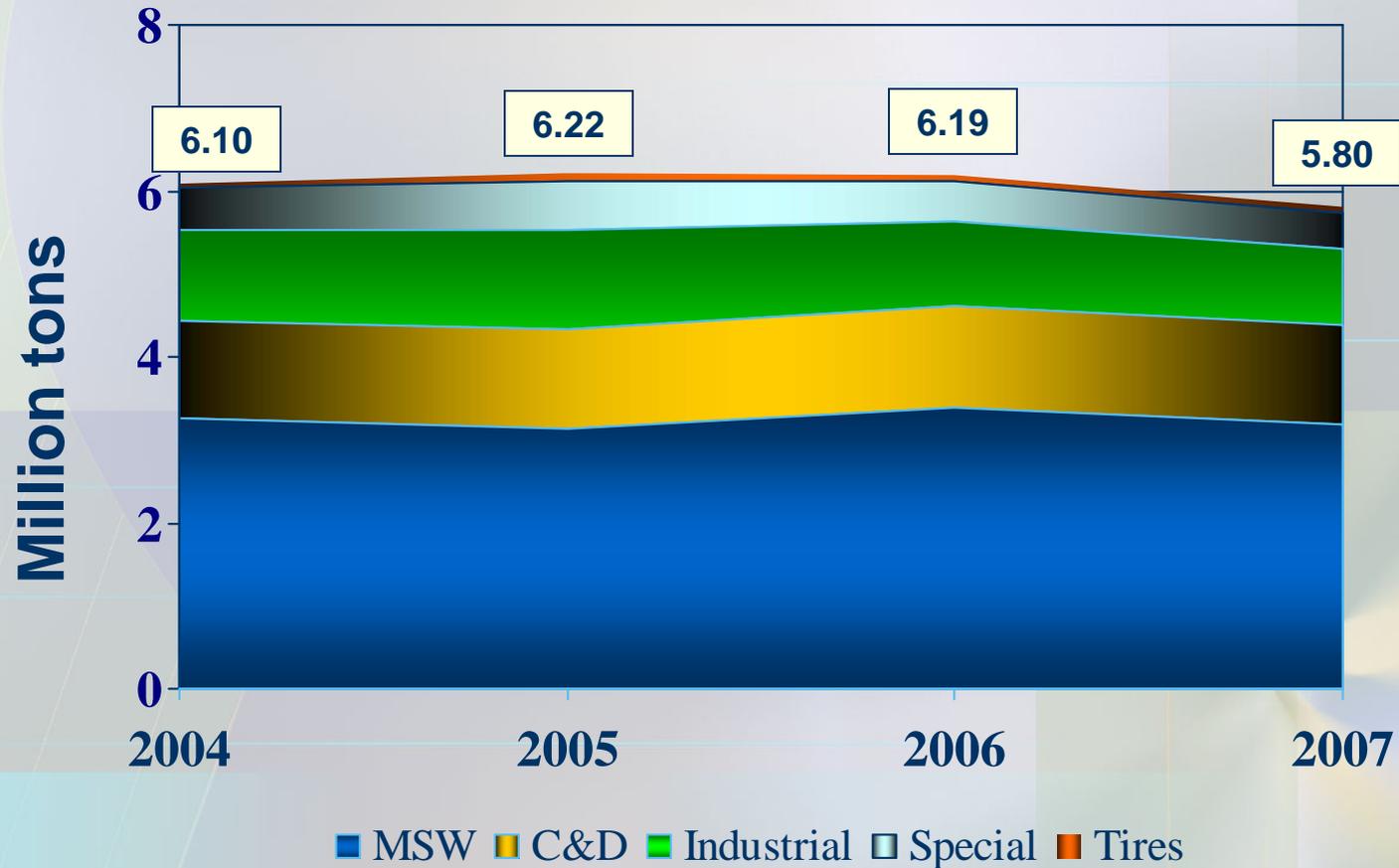
by
Bill Bider, Director
Bureau of Waste Management

Kansas Landfill Association
Annual Convention
2008



Mission: As the state's environmental protection and public health agency, KDHE promotes responsible choices to protect the health and environment for all Kansans.

Solid Waste Landfilled in Kansas (includes imports)



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How Much is 5.8 Million Tons ?

Equivalent to:

- **Trash trucks lined up bumper-to-bumper from New York City to Phoenix (2200 mi) (assumes 10 tons per 20 ft truck)**
- **About 2.1 tons for each Kansan (5 tons per household)**

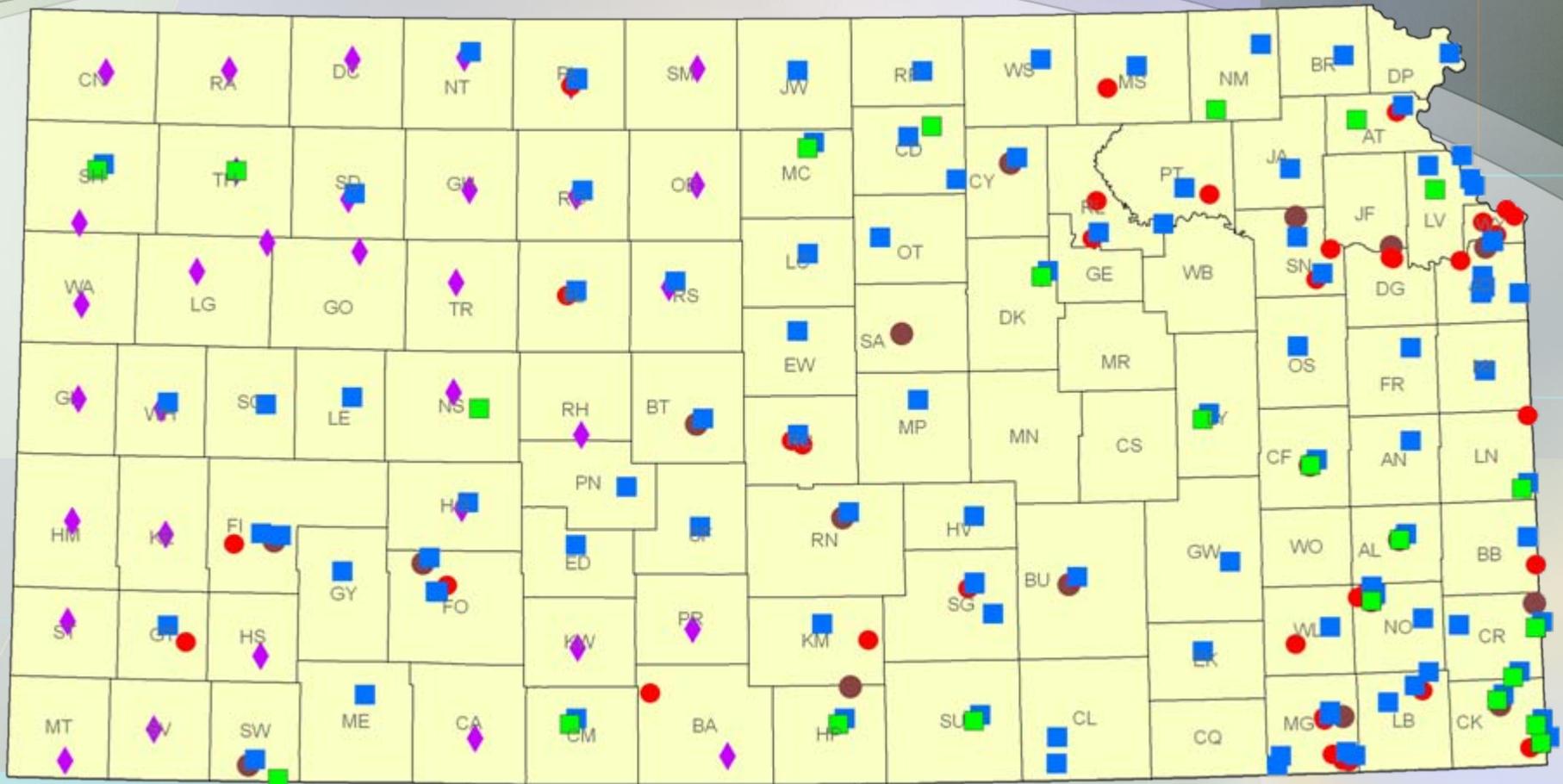


Enough to fill a typical master bedroom



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Solid Waste Landfills in Kansas



 **MSW – Sub D (17)**
 **MSW – SAL (33)**

 **C&D (100)**
 **Industrial (43)**

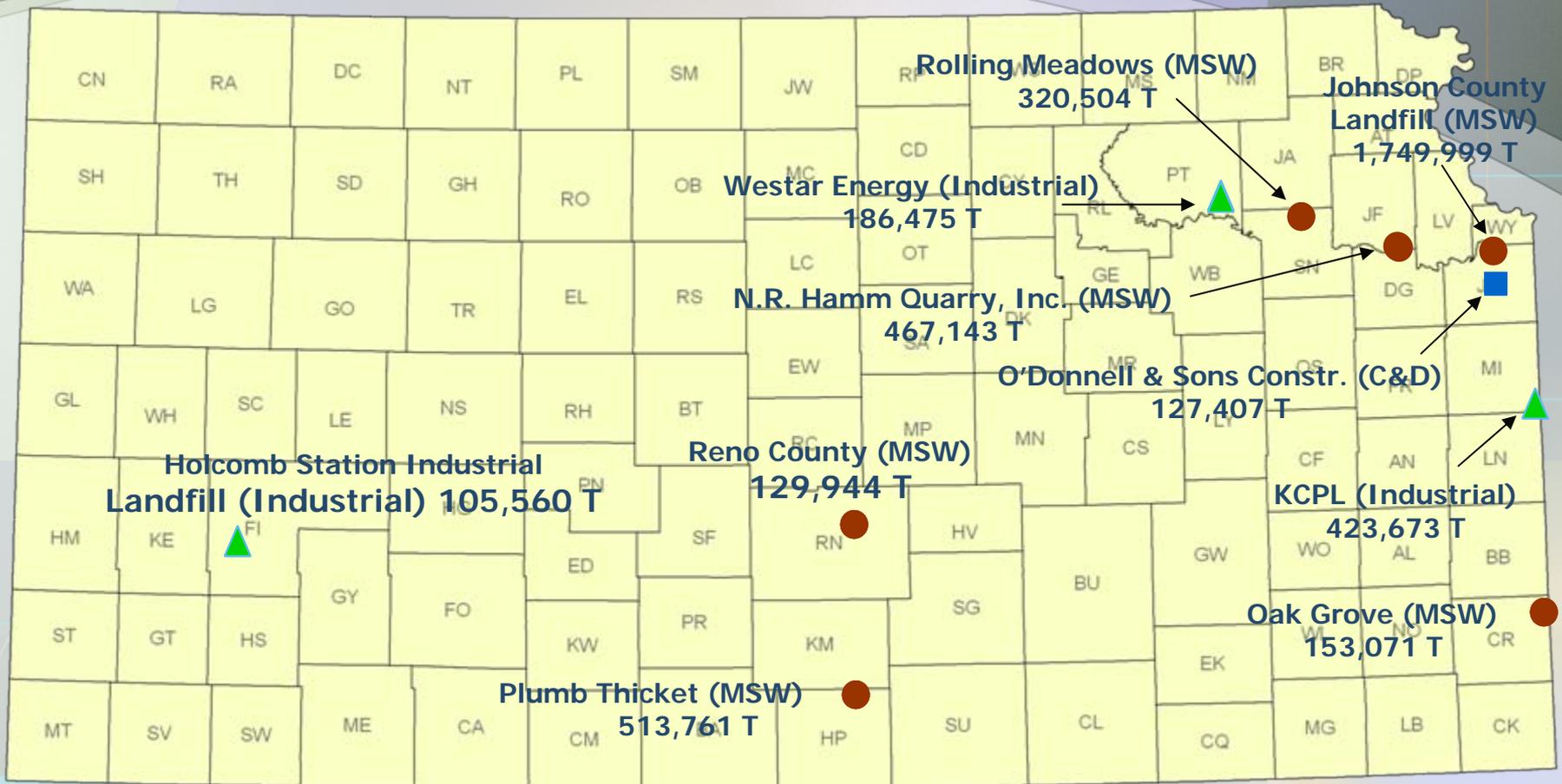
 **Waste Tire Monofill (23)**

TOTAL - 217



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10 Largest Landfills



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KDHE Solid Waste Priorities in 2008

Routine Work

- ✓ Process permit modifications and new applications
- ✓ Facility inspections
- ✓ Process annual permit renewals
- ✓ Administer grant programs
- ✓ Investigate complaints
- ✓ Clean-up illegal dumps
- ✓ Oversee local planning process
- ✓ Oversee groundwater monitoring at facilities
- ✓ Perform corrective measures at old city dumps
- ✓ Technical training and public education



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Priorities (cont'd)

Special Projects

- ✓ **New C&D Landfill “gas” regulations**
- ✓ **Court cases**
 - **Sunflower Electric permit issuance**
 - **Plumb Thicket permit issuance**
- ✓ **Complex technical/legal challenges**
 - **APAC Kansas permit challenges**
 - **Deffenbaugh vertical expansion downward**
- ✓ **Beneficial use requests**
- ✓ **Disaster responses**



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Moved to “Back Burner”

- **Industrial landfill regulations**
- **Other regulations (post-closure care)**



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BWM Structure as it relates to Landfills

Bureau Director



Bill Bider

**Permits Section Chief
Dennis Degner**



**Regulations
Christine Mennicke**



**Compliance & Enforcement
Section Chief
Jim Rudeen**



**Hydrogeology
Juan Sexton**



**Financial
Assurance
Brian Busby**



**Landfill Permits
Sam Sunderraj**



**Enforcement
Rebecca Wenner**



**District
Offices**

**13
inspectors
SW &
HW**



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Role of Local Landfill Owners in Disaster Response

- **C&D Landfills**
- **MSW Landfills**
- **Closed Landfills**



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Is Your Landfill Identified in a Local Debris Management Plan?

Other Questions to be Prepared:

1. Does your county even have a debris mgt plan?
2. What volume of waste flow can you handle?
3. Do you have space for a burn area for trees, brush, or other wood waste?
4. Have you ever operated an air-curtain unit?
5. Do you have space to store metal?
6. Do you have space to store and process clean rubble?
7. Can you handle waste that potentially contains asbestos?



Some Landfills Used for Recent Disasters

Mueller C&D Landfill – Montgomery County

- Coffeyville Flood/Oil Spill

Blixt Landfill – Dickinson County

- Chapman Tornado

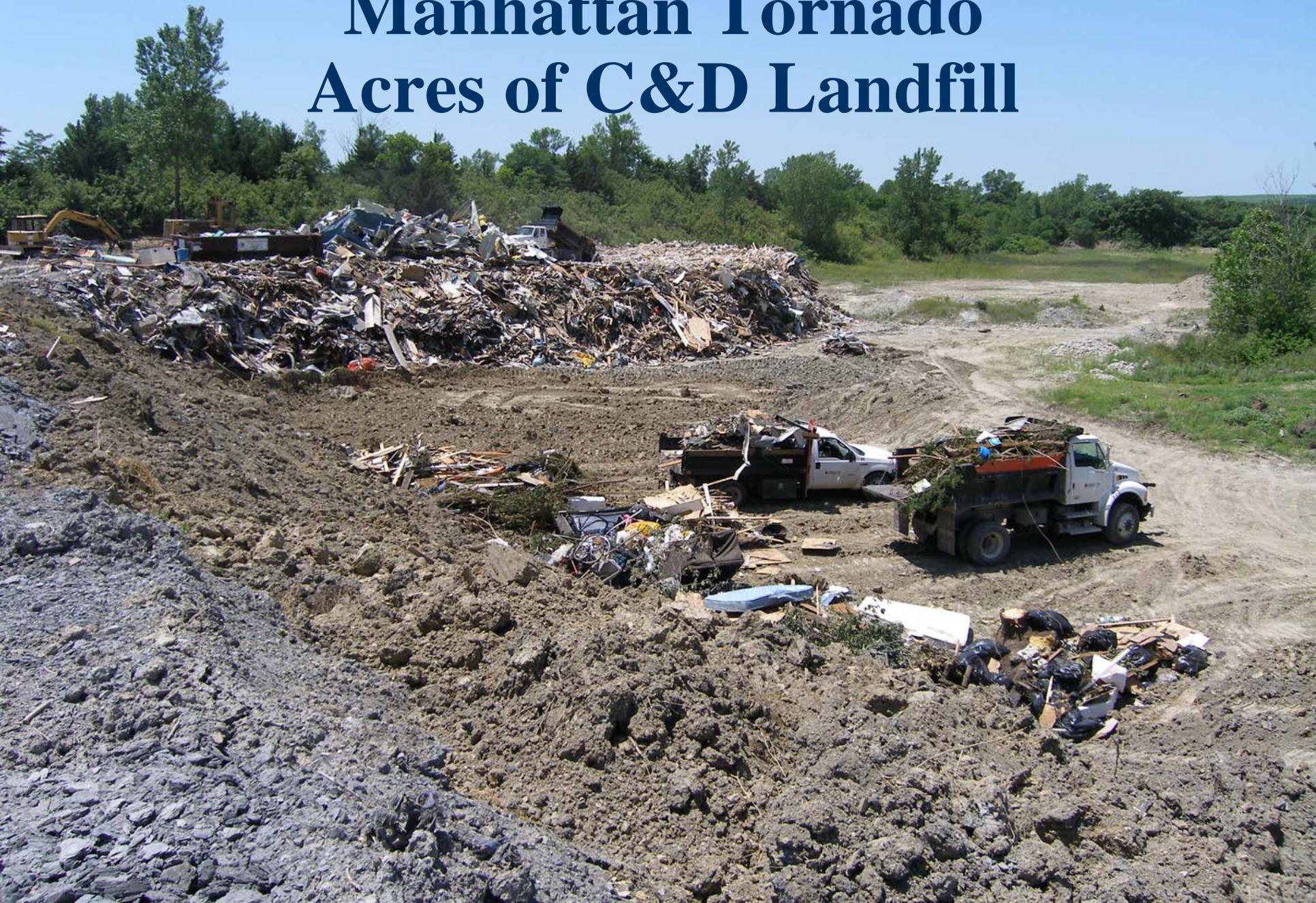
Acres of C&D Landfill

- Manhattan Tornado



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Manhattan Tornado Acres of C&D Landfill



Telephone Poles – Blixt Landfill



Brush Piles – Blixt Landfill



Coffeyville Flood – Mueller Landfill



NOV 20 2007

Debris Monitoring at Blixt Landfill



Metal Recycling at Blixt Landfill



C&D Disposal Area – Blixt Landfill



Bid Preparation to Satisfy FEMA, KDEM, and Local Government

Simple is Best

- Mixed C&D for burial - \$ X /cu yd
- Trees and brush to burn - \$ X /cu yd
- Trees and brush to mulch - \$ X /cu yd
- Freon containing appliances - \$ X each
- Other appliances or metal - ?



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Permit Modifications in Response to Disasters Must be Coordinated with KDHE-BWM

- ✓ **Modify hours of operation**
- ✓ **Expand disposal cell(s)**
- ✓ **Modify screening program**
- ✓ **Add burn site**
- ✓ **Add asbestos disposal area**



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E-Waste Disposal

- ✓ **Recycling encouraged and preferred**
- ✓ **MSW landfill is allowed**
- ✓ **Collection centers/recyclers expanding**
- ✓ **Working with manufacturers this fall to expand collection**
- ✓ **New website: www.ksewaste.org**



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Recycle Electronic Waste

ksewaste.org



What What is E-Waste?

Where Where can I recycle E-Waste?

Why Why should you recycle E-Waste?

Business Partners

Links E-Waste Links

**RECYCLE
E-WASTE**



Don't throw it out!

Get Caught Recycling!

getcaughtrecycling.org

? Why Recycle?

? How Can I Recycle?

? Where Can I Recycle?

Print Downloads

Broadcast Downloads

Kansas Recycling Stars

Recycling Links



The state belongs to all of us - "Kansas Don't Spoil It."

— Roderick L. Bremby, Secretary, KDHE





Kansas Recycles



General Info

Find out more about the Why and How of recycling. We'll link you to lots of good info.

- **Why recycle?**
- **How do I begin?**
- **Environmental impact**
- **Recycling Organizations**
- **Education**



Find a Recycling Center

Ready to start recycling but aren't sure where to go? Our interactive map lets you search by location and material type.

- **Drop-off locations**
- **Curbside programs**



Commercial Resources

Search our database for industry contacts that will help expand your recycling business.

- **Collectors**
- **Brokers**
- **Processors**
- **Commercial Recycling**

[General Info](#) | [Find a Recycling Program](#) | [Commercial Resources](#) | [Add / Edit Your Location](#) | [About Us](#) | [KDHE](#) | [KOR](#)

Produced for the benefit of Kansas Recyclers by
Kansas Department of Health and Environment, Bureau of Waste Management



Find Recycling Program

Click to expand categories on the left, then check the materials you'd like to recycle. Find locations near your home or business with the green search box at the bottom of the map - it's as easy as typing in your zipcode!

Select Materials

- Appliances ▾
- Automotive ▾
- Batteries ▾
- Building Materials ▾
- Cardboard / Paperboard ▾
 - Corrugated Cardboard
 - Paperboard
 - Wax Coated Paperboard
- Carpet / Padding ▾
- Clothing / Textiles ▾
- Common Household Recyclables ▾
- Computers / Electronics ▾
- Construction & Demolition ▾
- Food ▾
- Glass ▾
- Household Hazardous Waste ▾
- Metals / Cans ▾
- Miscellaneous ▾
- Paint ▾
- Paper ▾
- Plastic ▾
- Propane / Pressurized Tanks ▾
- Tires ▾
- Yard Waste ▾

The map shows the state of Kansas with major cities and highways. A search box at the bottom right contains the text "Search by Address, ZIP, or County Name" and a "Search" button. A white box with a green recycling symbol and the text "Please wait.." is overlaid on the map. The map interface includes navigation controls on the left and map style options (Map, Satellite, Hybrid) at the top right.



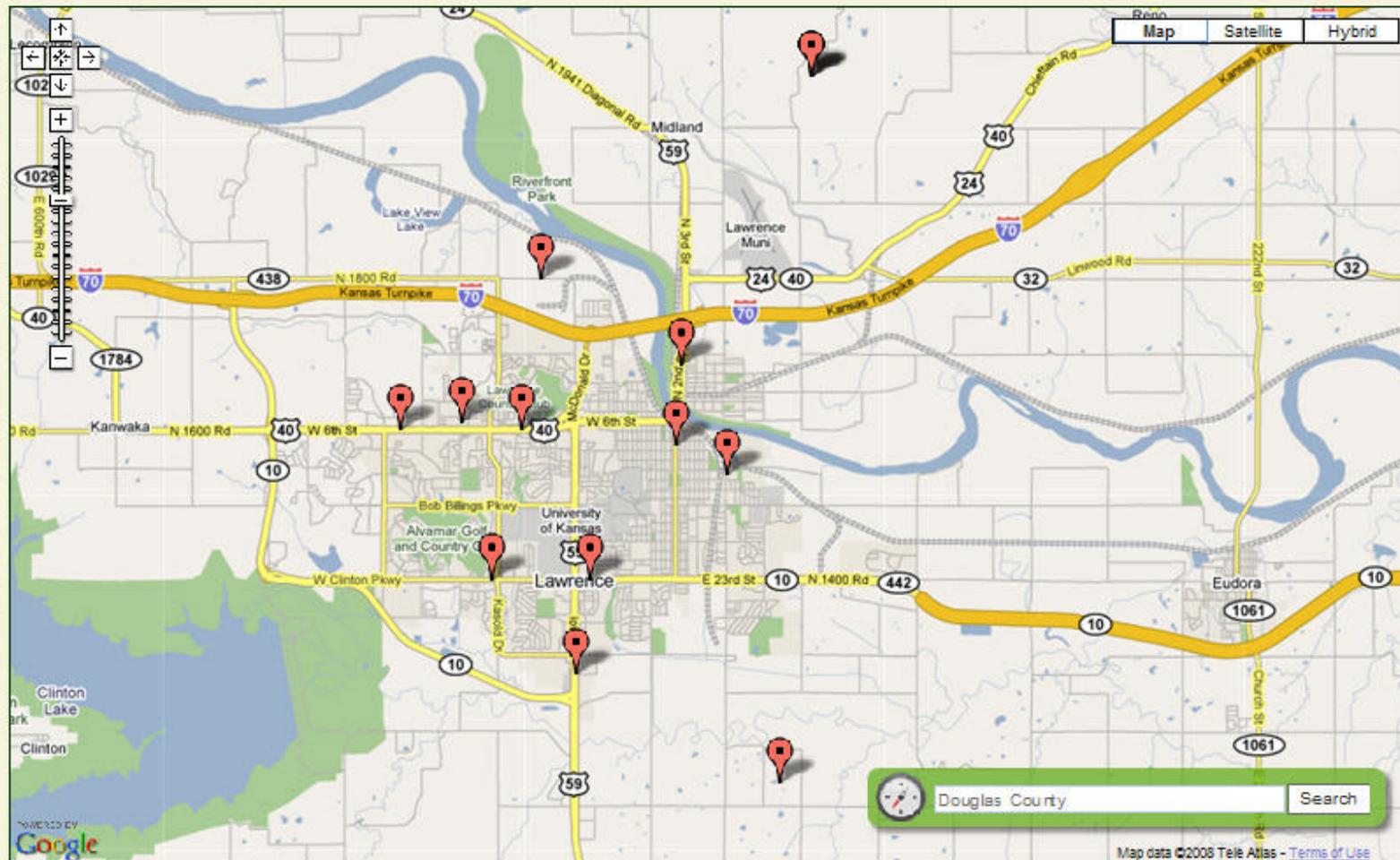


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- Propane / Pressurized Tanks ▼
- Tires ▼
- Yard Waste ▼





City of Lawrence

Location

740 N 2nd St
Lawrence, KS 66044

 [Get Driving Directions](#)

Phone Number:

785- 832-3030

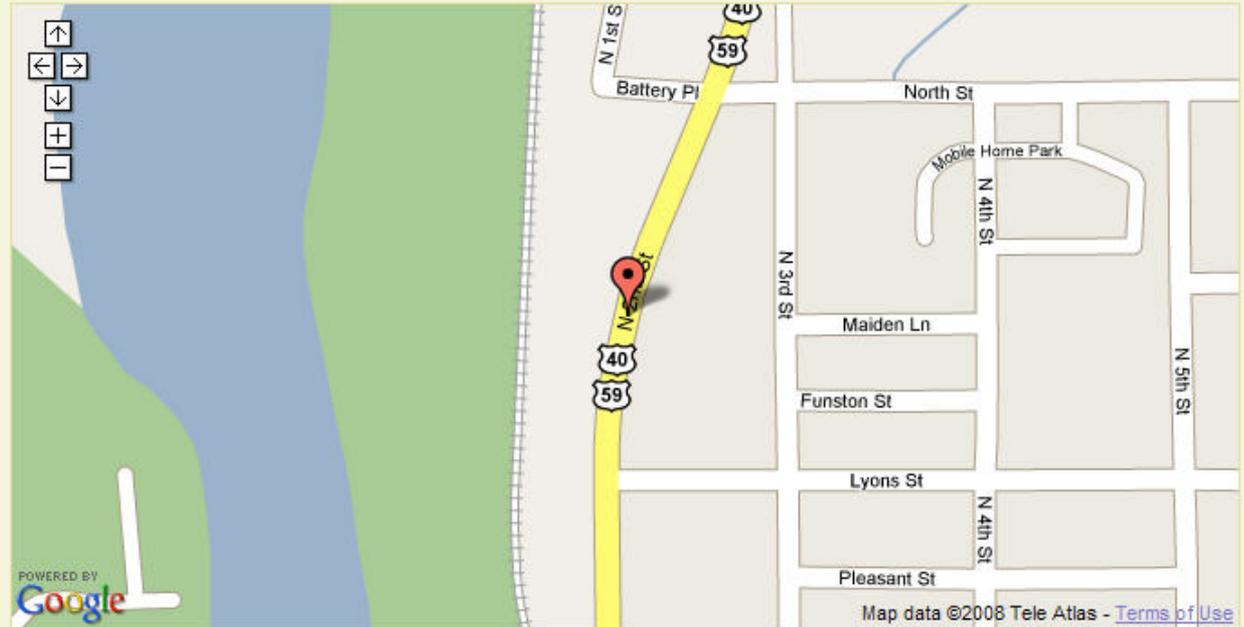
Hours of Operation:

24 hrs.

Materials Accepted

Corrugated Cardboard

Newspaper



Website:

<http://www.lawrencerecycles.org>

Additional Information:

(North Lawrence)

We are looking for 25 . . .

Green Ambassadors

- Full-time college students
- To represent BWM by presenting to various groups
- Compensation - \$60 per presentation
- Start-Up: January 2009
- Completion by May 2009
- Up to 25 presentations based upon KDHE reference material
- Apply by October 17, 2008



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2009 Solid Waste Legislation

only one bill

Extend Waste Tire Grant Program

Eliminate June 2010 Sunset Provision

*** Must change in 2009 to avoid “no grants”
after next summer grant round**

- **Recommendation: No sunset provision**
- **Popular program 1st two years**
 - ✓ **Grants to cities, counties, schools**
 - ✓ **\$1,091,000**



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Johnson County Solid Waste Bill

Amend 65-3410 . . .

Will expand authorized use of collected solid waste fees to include:

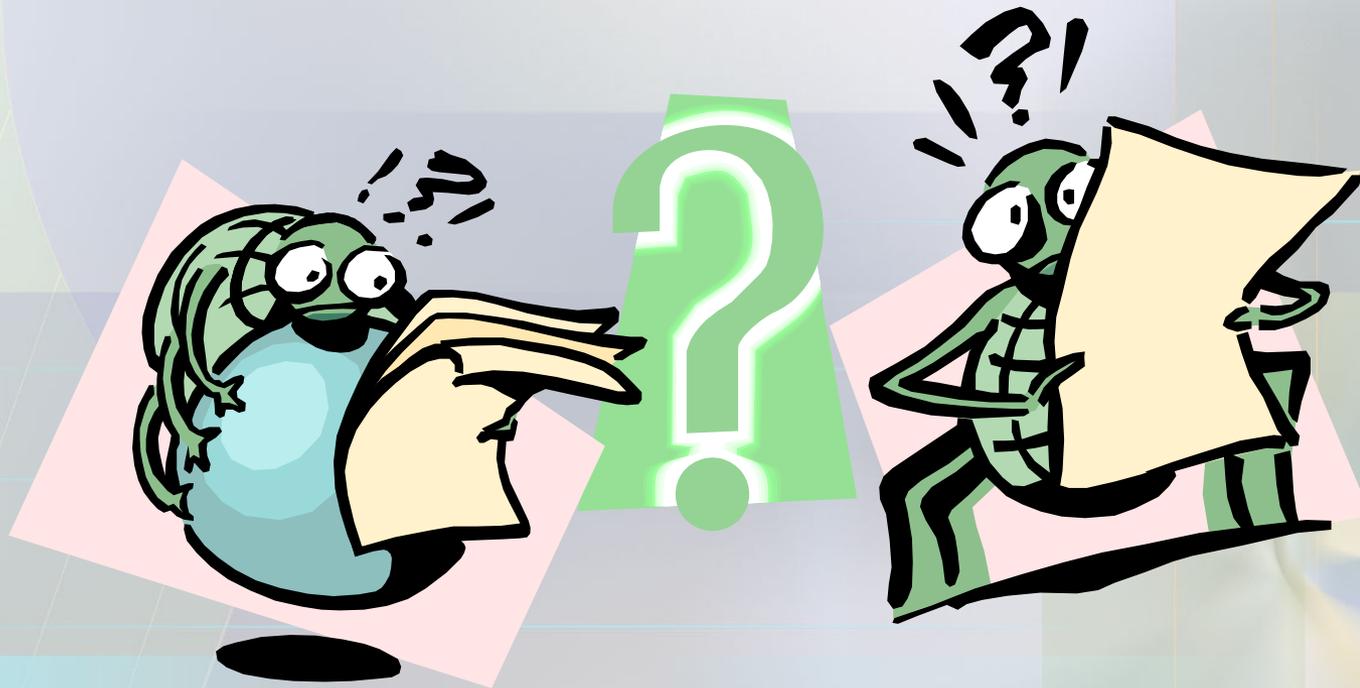
“Implementation of approved solid waste management plans”

KDHE likely to be supportive



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Questions?



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