

Kansas Solid Waste Update

by

Bill Bider

Director, Bureau of Waste Management

at

The Kansas Landfill Association

Annual Conference

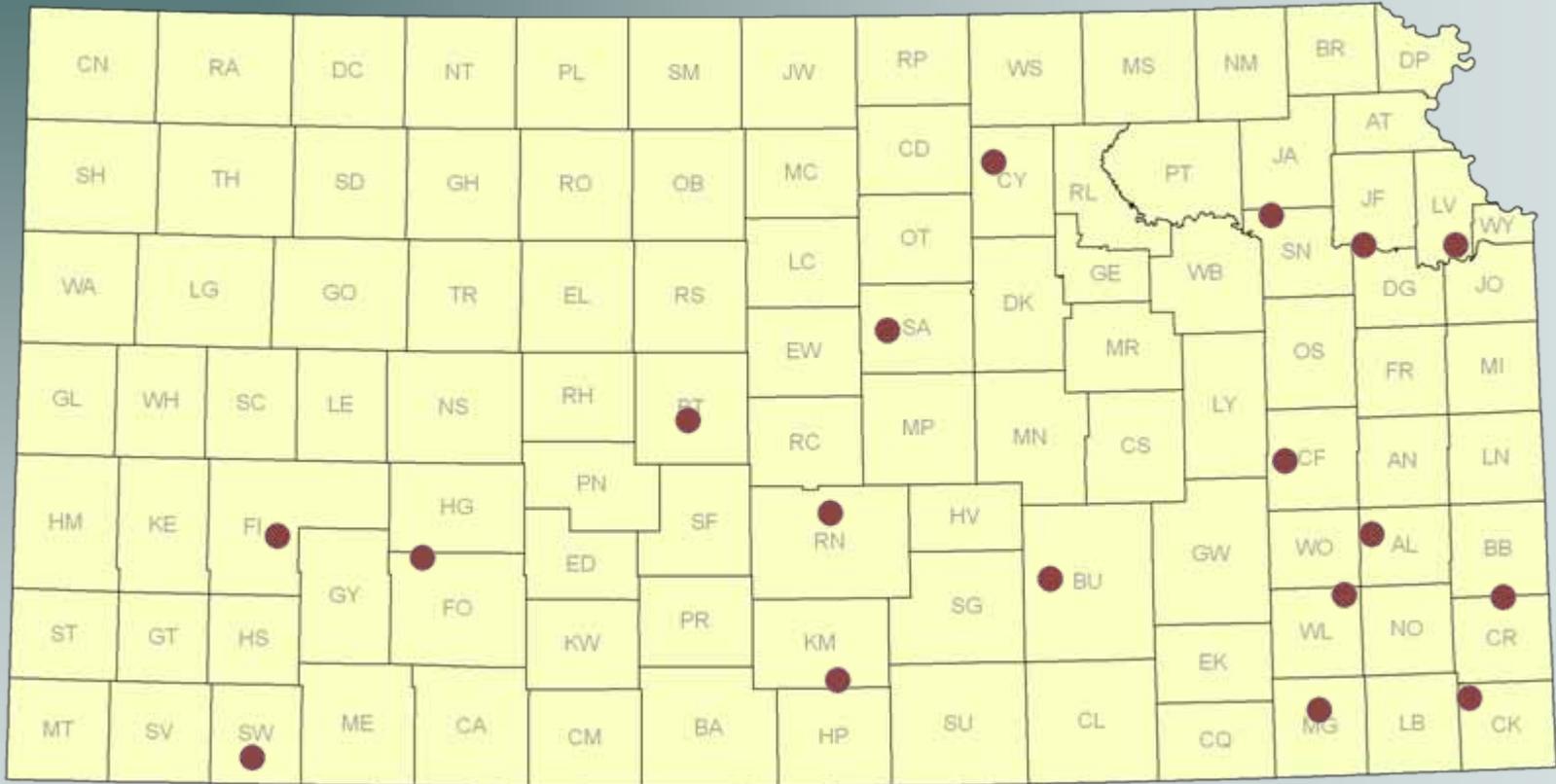
October 8, 2009



Kansas
Department of
Health and Environment

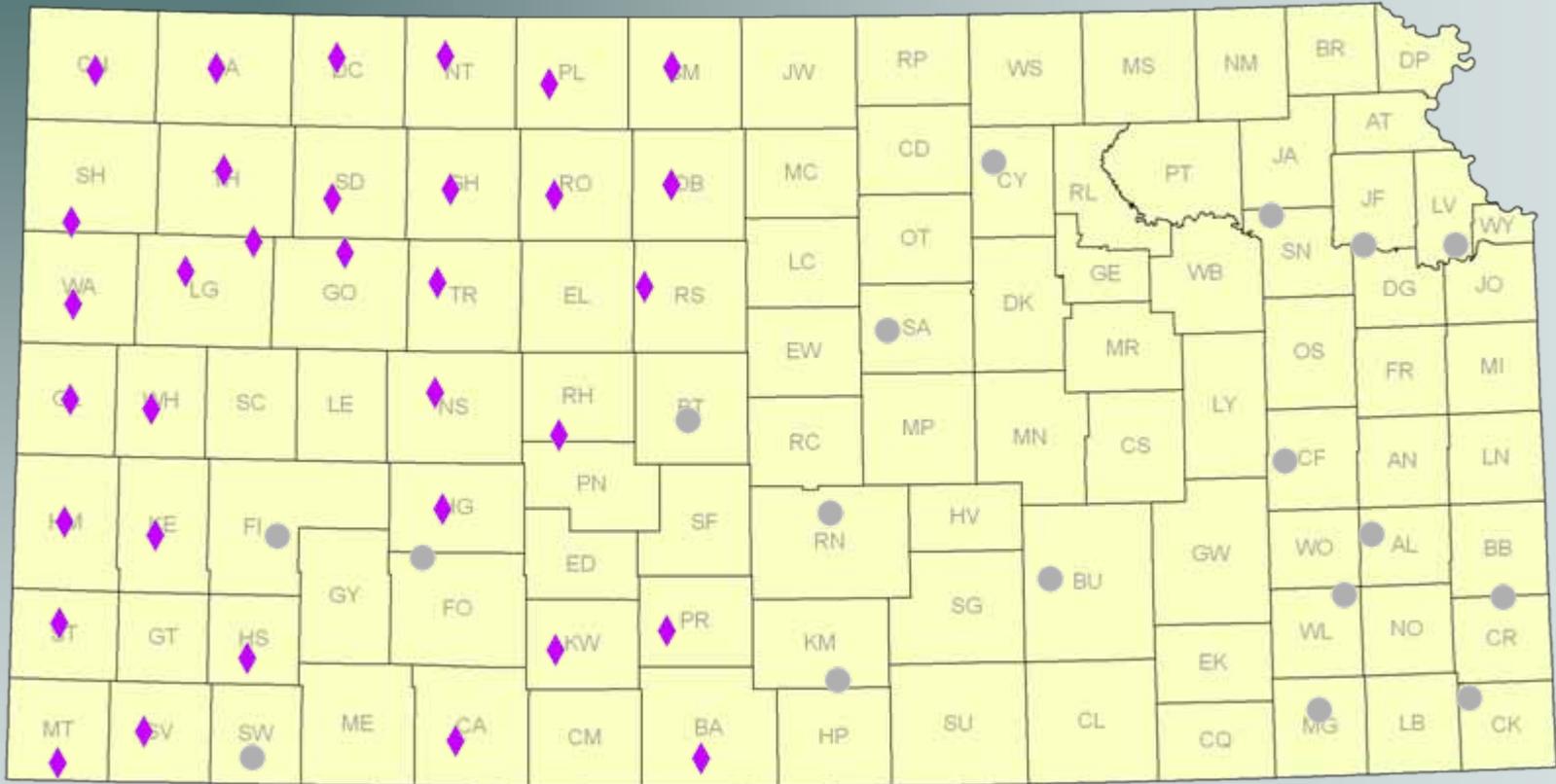
"as the state's environmental protection and public health agency, KDHE promotes responsible choices to protect the health and environment for all Kansans"

Kansas Landfills



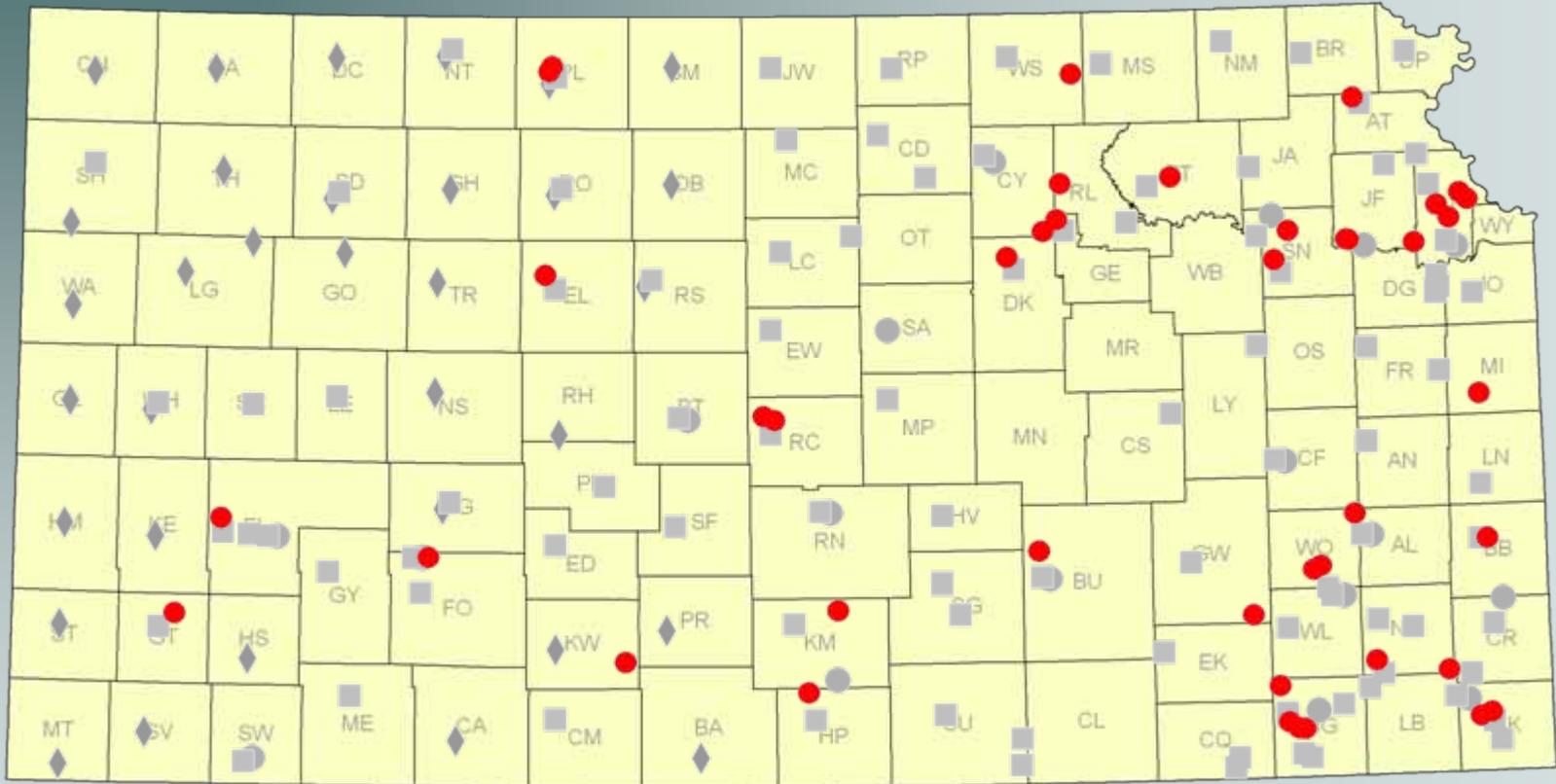
MSW Sub-D Landfills - 18

Kansas Landfills



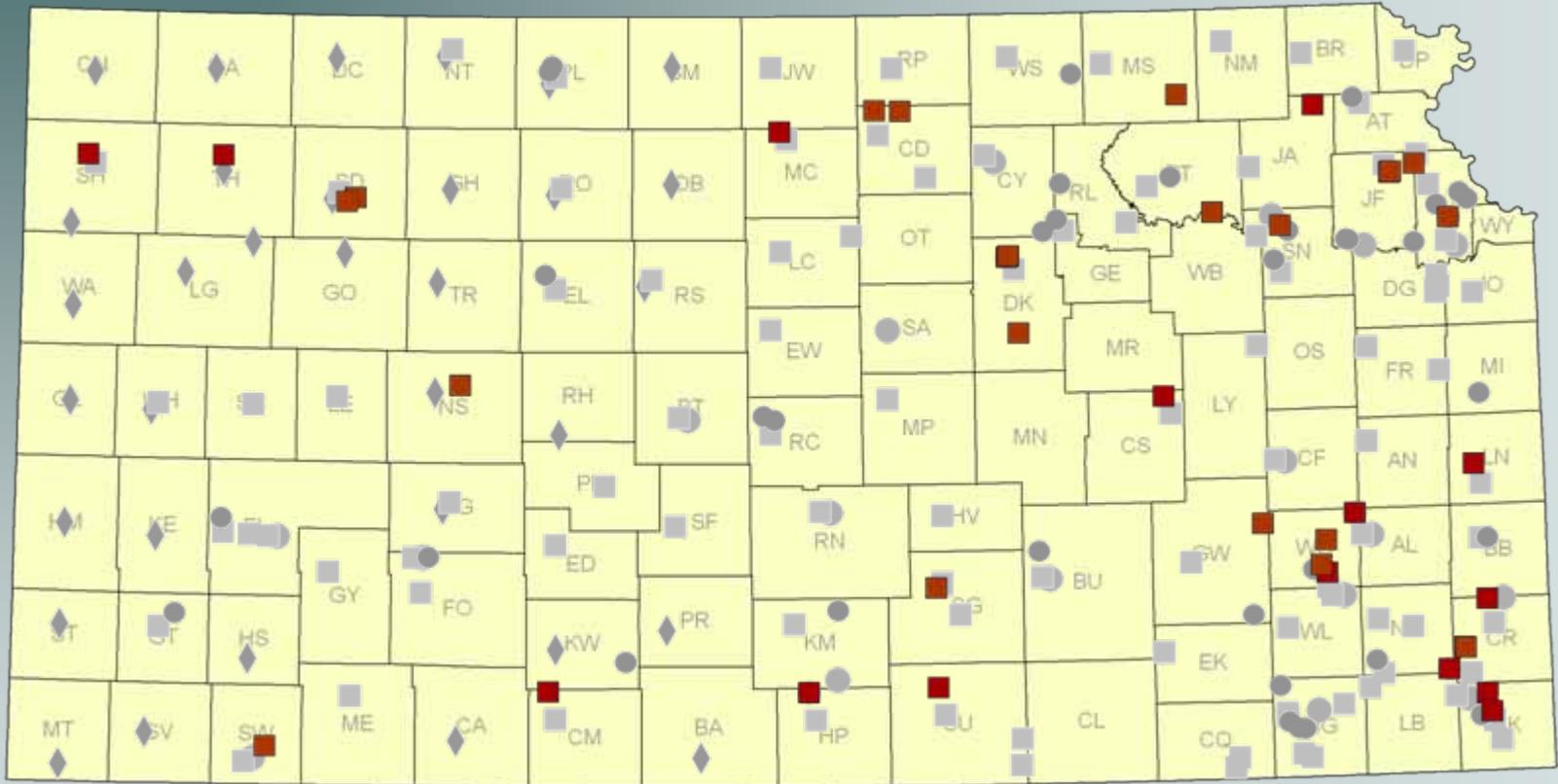
Small Arid Landfills - 33

Kansas Landfills



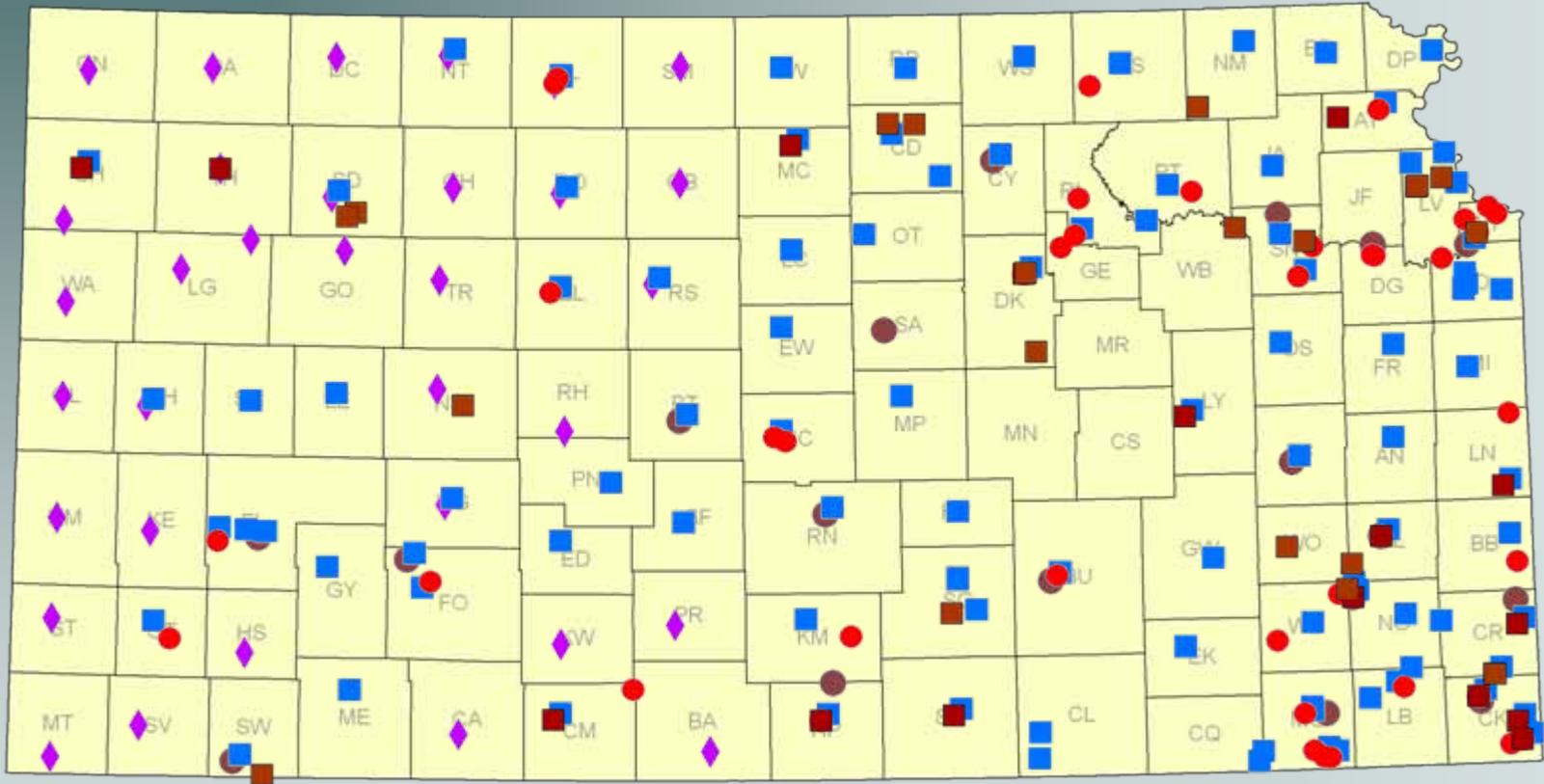
Industrial Landfills - 43

Kansas Landfills



Waste Tire Monofills- 23

Kansas Landfills



Total Solid Waste Facilities - 233

Kansas Approval of Federal RD&D Rule – 40 CFR 258.4

(Research, Development, and Demonstration Permits)

- EPA approved in federal register on Sep 4, 2009
- Effective Nov 3, 2009 if no adverse comments by Oct 5, 2009
 - Allows liquid additions
 - Allows alternative final cover design
 - Must maintain less than 12-inches of leachate
 - Must submit annual reports
 - Past approvals will be required to submit annual reports – new special condition

Applicability of RD&D Rule to SALs

- Not eligible for liquid addition
- Alternative final cover design is possible but not under RD&D rule; instead under . . .
 - Variance provision of KAR 28-29-2
 - Minimum standard of 40 CFR 258.60 (b)(3) including public comment period
- Water balance must ensure “bath tub” effect does not result

KDHE Long-Term Landfill Stabilization Philosophy

1. Early “controlled” biodegradation is desirable
2. Liquids addition may be necessary
3. 12-inches or less of leachate must be maintained on liner during post-closure period
4. Need financial assurance for liquids management
5. Will consider liquid infiltration through final cover to maintain biodegradation

When does post-closure end?

Need Post-Closure Regulations

- Define criteria for extending and reducing PC care
- Appropriate permit fees for landfills in post-closure to cover KDHE monitoring costs
- Various financial assurance considerations

Solid Waste Funds/KDHE Resources

“An Unprecedented Reduction in Disposal”



Major Program Cuts Must be Implemented Without More Revenue

when? 2012

- Grants – minimal 2010 → zero later ?
- Illegal dump clean-up
- City dump repair
- Waste sweeps – Hg, Pesticides, School lab chemicals
- Green Schools support
- Public education

State Solid Waste Plan Update

- A five-year plan
- Sets direction for KDHE which affects permit holders, recyclers, etc.
- Resources key to setting program goals and priorities
- Update process starts with . . .

Stakeholder & Public Survey

- ✓ Online
- ✓ Hard copy

<https://www.dhe.state.ks.us/surveys/planupdate.htm>

2010 State Solid Waste Management Plan Survey

Stakeholder and Public Survey to Update the
State of Kansas

Solid Waste Management Plan

Every five years, the Kansas Department of Health and Environment updates the Kansas Solid Waste Management Plan. The current 2005 plan is due to be updated by early 2010. The update process begins with this survey of stakeholders and the general public. Feedback is being solicited to help KDHE develop a revised plan which is responsive to the perceived needs of the citizens of Kansas and to the statutory requirements related to waste management.

Purpose of the State Solid Waste Plan

To establish specific and measurable goals, objectives, and strategies for state efforts related to the maintenance of solid waste management practices that are protective of human health and the environment and the improvement of practices to yield greater benefits to the citizens of Kansas.

Anticipated Plan Update Steps and Schedule

- Stakeholder and general public complete survey by November 20, 2009
- KDHE drafts preliminary plan by end of January 2010
- KDHE meets with stakeholder and public to review draft plan in February 2010
- KDHE revises and adopts 2010 Kansas Solid Waste Plan in spring 2010

Personal Information

The following information is optional:

First Name	<input type="text"/>		
Last Name	<input type="text"/>		
Title	<input type="text"/>		
Organization	<input type="text"/>		
Address	<input type="text"/>		
City	<input type="text"/>	State	<input type="text"/> Zip Code <input type="text"/>
Phone	<input type="text"/>		
E-mail	<input type="text"/>		

State Plan Update Schedule

- Complete survey by Nov 20, 2009
- KDHE drafts preliminary plan by Feb 1, 2010
- KDHE meets with stakeholders/public late Feb 2010
- KDHE revised plan in Spring 2010

**Please take time to
complete the survey**

The Official C&D Volume to Weight Conversion Factor

K.A.R. 28-29-84 - 1,250 pounds/cubic yard

Soliciting data on average weights for different volume vehicles

- ✓ Submit to Bill Bider
- ✓ KDHE will evaluate and revise regulation if appropriate

KDHE is also evaluating methodologies used by C&D LFs to estimate waste volumes and weights

KDHE-BWM Information Exchange

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WWW.KDHEKS.GOV/WASTE

Mission:

The mission of the Bureau of Waste Management is to minimize the health and environmental impact associated with the generation, storage, transportation, treatment, and disposal of all solid and hazardous wastes in Kansas.

[Bureau of Waste Management Organizational Chart](#)

[Open Records Information Form](#)

[More Information on the Kansas Open Records Act](#)

www.kdheks.gov/waste



The Kansas Department of Health and Environment

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Information Exchange

What is the Information Exchange?

How do I submit a question, answer, or comment?

Select one of the links below to submit a question or to read the posted questions and answers.

Following each question and answer, you will find a link to answer or comment on that specific question and/or answer. At the end of each category, there is a link to submit a new question for that category.

Your name, organization, phone number, and current email address are required to submit a question, answer, or comment. However, having your name and organization listed on the posting is optional. Your phone number and email address will only be used to contact you if we feel your question needs more information than we are able to post.

Questions, answers, and comments will be screened before being posted. Those containing offensive language or personal attacks will be deleted.

How are the questions and answers organized?

[Submit a Question](#)

[Go to Questions and Answers](#)





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Information Exchange - Questions, Answers, and Comments

Select a Category Below

[To receive email notifications when categories are updated, click here.](#)

[Permitting Issues](#)

[MSW Landfills](#)

Years ago, Neal Bolton visited most of our small arid landfills and identified the application of daily cover as one of the areas needing the most work. Some GALs have begun using a spray-on alternate daily cover rather than soil. Can anyone provide us with information regarding the types of equipment you are using to apply the cover, the time it takes to apply, the cost of application, and any other interesting facts? Also, how long have you been using this cover process and are you satisfied with the results?

Litter control at Kansas landfills is a challenge due to our typical windy conditions. How many people (or labor hours) are needed to routinely control litter at your facility?

How much e-waste are you seeing in your landfill?

[Answer or comment on this posting](#)

[Submit a new question](#)

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Information Exchange - Answer or Comment on a Posted Question

* Denotes required fields.

* Name:

* Organization:

* Phone Number (with Area Code):

* Email:

[Check here if you wish to remain anonymous in the posting](#)

I am commenting on the following post:

- Years ago, Neal Bolton visited most of our small arid landfills and identified the application of daily cover as one of the areas needing the most work. Some SALs have begun using a spray-on alternate daily cover rather than soil. Can anyone provide us with information regarding the types of equipment you are using to apply the cover, the time it takes to apply, the cost of application, and any other interesting facts? Also, how long have you been using this cover process and are you satisfied with the results?
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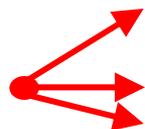
My comment is:

Comment here.

* Note - In order to submit a question or comment online, a phone number and email address are required.

Submittals containing offensive language or personal attacks will be deleted.

Questions: Contact (785) 296-1600





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Information Exchange - Receive Updates

* Denotes required fields.

* Name:

* Organization:

* Phone Number (with Area Code): * Email:

Send me an email when updates are posted to the following categories:

- | | |
|--|--|
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| <input type="checkbox"/> MSW Landfills | <input type="checkbox"/> Illegal Dumping |
| <input type="checkbox"/> CD Landfills | <input type="checkbox"/> Recycling |
| <input type="checkbox"/> Industrial Landfills | <input type="checkbox"/> Grants |
| <input type="checkbox"/> Waste Tires | <input type="checkbox"/> Hazardous Waste Management |
| <input type="checkbox"/> Composting | <input type="checkbox"/> CFLs and Mercury |
| <input type="checkbox"/> Solid Waste Processing & Planning | <input type="checkbox"/> Inspections & Enforcement |
| <input type="checkbox"/> E-Waste | <input type="checkbox"/> Tonnage Fees |
| <input type="checkbox"/> Household Hazardous Waste | <input type="checkbox"/> Other |

Questions: Contact (785) 296-1600



Coal Combustion Waste Disposal

EPA considering enhanced regulation under Subtitle C

- KDHE submitted comments to EPA head, Lisa Jackson, opposing regulation under Sub C
 - KDHE's industrial landfill permits under Sub D are adequate
 - Kansas prohibits Sub C landfills
 - KDHE inspects facilities annually
- Many other states oppose regulation under Sub C

Seeking Feedback

1. Preferred method of technical training
 - Training courses/Conferences
 - Online training courses
 - Newsletters
 - A combination of above
2. Should we have a new type of C&D landfill that we can take empty chem containers and CESQG waste?
 - ✓ Clay liner
 - ✓ Groundwater monitoring
 - ✓ Comply with 40 CFR 257 Subpart B

Limited screening













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- WASHERS
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DO NOT PUT:

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- ACIDIC LIQUIDS
- FLAMMABLE SOLIDS
- HAZARDOUS SOLIDS
- ACIDIC SOLIDS
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- HAZARDOUS GASES
- ACIDIC GASES
- FLAMMABLE POWDERS
- HAZARDOUS POWDERS
- ACIDIC POWDERS
- FLAMMABLE LIQUIDS
- HAZARDOUS LIQUIDS
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