Kansas Solid Waste Update

by

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Director, Bureau of Waste Management

at

The Kansas Landfill Association Annual Conference

October 8, 2009

“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

CD Landfills - 99
Kansas Landfills

Industrial Landfills - 43
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”

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Tonnage Fee Revenue</th>
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<tbody>
<tr>
<td>'02</td>
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<tr>
<td>'03</td>
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<tr>
<td>'09</td>
<td>4.48</td>
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<tr>
<td>'10</td>
<td></td>
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</tbody>
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2010 - 22% drop from 08

Revenue Drop 09 & 10 – about $2 million
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: [ ]
Last Name: [ ]
Title: [ ]
Organization: [ ]
Address: [ ]
City: [ ] State: [ ] Zip Code: [ ]
Phone: [ ]
E-mail: [ ]
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

Bureau of Waste Management
1000 SW Jackson, Suite 320, Topeka, Kansas 66612-1366

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.

www.kdheks.gov/waste
Bureau of Waste Management
1000 SW Jackson, Suite 320, Topeka, Kansas 66612-1366

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
Years ago, Neal Britton visited most of our small and landfills and identified the application of daily covers as one of the areas needing the most work. Some communities 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 factors? 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

- CD Landfills
- Industrial Landfills
- Waste Tires
- Composting
- Solid Waste Processing & Planning
- E Waste
- Household Hazardous Waste
- Disposal Storage Without a Permit
- Illegal Dumping
- Recycling
- Grantees
- Hazardous Waste Management
- CFLs and Mercury
- Inspections & Enforcement
- Tonnage Fees
- Other
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 and 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?
- [ ] 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?

My comment is:

Comment here.

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

Submissions containing offensive language or personal attacks will be deleted.

Submit  Reset Form

Questions: Contact (785) 296-1600
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:

- Permitting Issues
- MSW Landfills
- CD Landfills
- Industrial Landfills
- Waste Tires
- Composting
- Solid Waste Processing & Planning
- E-Waste
- Household Hazardous Waste
- Disposal/Storage without a Permit
- Illegal Dumping
- Recycling
- Grants
- Hazardous Waste Management
- CFLs and Mercury
- Inspections & Enforcement
- Tonnage Fees
- 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
Questions or Comments