Solid Waste Update

by

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Bureau of Waste Management
Recognition is Due

• Operators and Managers of
  – Landfills
  – Transfer Stations
  – HHW Facilities
  – Compost Facilities
• Waste Collectors and Transporters
• Consultants

Just like mail carriers, management of solid waste must go on NO MATTER WHAT!
Today

• KDHE staff changes
• Ebola waste management
• Disposal and recycling trends
• New compliance and enforcement procedures
• Statutory initiatives
• New DWOP guidelines
• Federal issues affecting Kansas
• Operational issues
• State SW Plan update
Solid Waste Staffing Changes

**LF Permit Unit Unit Chief**
- Mike Selm
  - Habib Ghali
  - Sam Sunderraj
  - Dean Williams
  - Vacant

**Inspector Staff**
- NC Salina
  - Tori Stukey
    - Feb 2014
- SE Chanute
  - Vicki O’Brien
    - Promoted
- NE Lawrence
  - Laura Routh
    - Resigned

**BWM Compliance Staff**
- Topeka
  - Justin Koehn
    - replaced
    - Steff Fackrell
Ebola Waste Management

Main Points

1. Not traditional ‘medical waste’
2. Not a special waste
3. Cannot be managed at permitted solid waste facility

Classification

Category A Infectious Waste
Kansas RCRA Hazardous Waste

Public Perception Driving Stringent Guidelines
KDHE Ebola Team & Webpage

• Comprehensive Ebola Preparedness Plan
• Waste Management Issues
  – On-site autoclaving preference
  – Autoclaving converts to RMW
  – Special US DOT permits
  – Inner packaging/Outer packaging
  – Disinfectants
  – Bulky items
  – Storage
  – Transportation and disposal
Solid Waste Disposal Trend
FY 2008 and FY 2014
(Waste subject to $1/ton tonnage fee)

Cumulative Difference
- $992,490
Six Years - $5,700,000
Kansas MSW Recycling Rate and Per Capita Disposal Rate
Recycling Survey Curtailed
Per Capita Disposal is Excellent Predictor of Recycling Rate

(2006 to 2013 data)

Formula = (Correlation coefficient = -0.989)
Recycling Rate = \( 0.722 - (0.096 \times \text{Per capita Rate}) \)
Example = \( 0.722 - (0.096 \times 4.0) = 33.8\% \)
New Solid Waste Compliance & Enforcement Protocols

Inspector Flexibility and Guidance
   – Training
   – New Policy – not finalized
   – Minor non-compliance may be classified as deficiencies – not recorded in C&E database

Issues/Considerations
   • Extent of deviation from standard?
   • Did environmental impact occur?
   • Is deficiency repeated?
Inspector Comments for Non-Compliance Caused by . . .

- Extreme weather events
- Malfunctioning or broken-down equipment
- Lost personnel/capabilities
- Construction projects
- Other events beyond control of owner/operators
Statutory Initiatives

2014

HB 2549
On-site burial of hazardous waste generated by remediation project

HB 2551
• Change recycling code on plastic bottles to conform to national change
• Revoke PCB statutes
• Enhance prohibition on local government to set disposal restrictions unless they own landfill
Statutory Initiatives

2015

- Eliminate drilling waste land-spreading sunset provision
- SW Fund revenue enhancement unlikely
- Allow NORM disposal in MSW SubD LFs
New Disposal Without a Permit Guidance

Inspector Arrives to

This or This

and no DWOP application submitted to KDHE
Federal Issues

• Coal combustion residuals disposal
  – Rule due out in December 2014
  – Subtitle D regulation anticipated

• Definition of solid waste
  – Addresses recycling
  – Affects hazardous waste, waste tires, CRTs, etc.
  – KDHE not prepared to adopt

• Sustainable materials management
  – Food waste challenge
  – Kansas doing better (much room to improve)
New Operational Issues

- Notify KDHE when emergencies, upsets, equipment failures, etc.
- Leachate accumulation on liner – operating plan amendments
- Erosion on intermediate cover
- Leachate storage capacity (5 days)
State Solid Waste Plan

• Time to update 2010 Plan
• Plan will be updated in 2015
• KDHE looking to simplify – limit plan to special needs, goals, and strategies
• Stakeholder feedback will be sought
**Reflection – Solid Waste Challenges in Kansas Then and Now**

<table>
<thead>
<tr>
<th>1993</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regionalization</td>
<td>LF Gas Mgt</td>
</tr>
<tr>
<td>Closing Facilities</td>
<td>Curbside Recycling</td>
</tr>
<tr>
<td>Groundwater Contamination</td>
<td>Yard Waste Mgt</td>
</tr>
<tr>
<td>Lack of Recycling</td>
<td>NORM Disposal</td>
</tr>
<tr>
<td>Trained Staff</td>
<td>Medical Waste Mgt</td>
</tr>
<tr>
<td>Old Dumps</td>
<td>Qualified Staff</td>
</tr>
<tr>
<td>Tire Piles</td>
<td></td>
</tr>
</tbody>
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Questions?

www.kdheks.gov/waste