Planning for Foreign Animal Disease and Other Animal Emergencies in Kansas

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Kansas Department of Health & Environment
Worst Tornadoes in Kansas 1983 - 2007
With a Fujita Scale Rating of 2 through 5

Average – 57/year
Highest Year – 137 in 2007

Kansas Department of Health & Environment – Bureau of Waste Management
Tornado Outbreak in Kansas
April 14, 2012

Kansas Department of Health & Environment – Bureau of Waste Management
What is a Foreign Animal Disease?

- Foot and Mouth Disease (FMD)
  - Highly contagious . . . virus causing . . . mouth blisters
  - Affects cattle, swine, other cloven-footed animals

- Bovine Spongiform Encephalopathy (BSE - ‘Mad Cow’)
  - Degenerative disease of nervous system

- 22 other contagious diseases listed in state regulations
Why Do We Care So Much about Foreign Animal Disease?

Cattle – 3 to 5 million on feed
Swine – 1 to 2 million on feed
Largest feedlots – over 100,000 cattle
Total Facilities - 3,025

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Kansas FAD Plan
Minimum Quarantine and Kill Zones

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Thousands to Millions of Animals

Burial - Selected Disposal Method

Burning, Rendering, Composting, alkaline hydrolysis – not practical or acceptable

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Pre-Approved Burial Sites

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Hypothetical –
FAD Discovered in Dodge City Feedlot

Kansas Department of Health & Environment – Bureau of Waste Management
Hypothetical –
FAD Discovered in Dodge City Feedlot
## Animal Landfill Site

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Disease Spreads
Cattle Feedlot SW Kansas > 60,000 Head
Pre-Selected Burial site
Cattle Feedlot SW Kansas > 60,000 Head
Pre-Selected Burial Site

Burial Site
Cattle Feedlot SW Kansas > 60,000 Head
Pre-Selected Burial Site

- 670 feet
- 465 feet
- 7.2 acres
- 10 trenches 465 ft long X 40 ft wide & 20 ft deep
- 9-30 ft spaces
Swine Finishing Facility
SW Kansas > 100,000 Swine
Pre-Selected Burial Site
Swine Finishing Facility
SW Kansas > 100,000 Swine
Pre-Selected Burial Site
Swine Finishing Facility
SW Kansas > 100,000 Swine
Pre-Selected Burial Site

257 feet

570 feet
3.4 acres

10 trenches @ 257 ft long  30 ft wide & 20 ft deep
9-30 ft spaces
Current Experience

- Minimal use of burial sites
  - Heat deaths (hundreds)
  - Tornados
  - Severe ice storms/blizzards
- Five-year plan updates
Other Issues

- Groundwater monitoring
- Cleaning and disinfecting fluids
- Dairy product disposal
- Other animals in kill zone
Questions?