Protecting Kansas Livestock with the Kansas Plan for Foreign Animal Disease Emergencies

Kansas Animal Health Department
George Teagarden, Livestock Commissioner
Sam Graham, D.V.M.
TIMES HAVE CHANGED

• WE LIVE IN A MORE DANGEROUS ERA
• U.S. AGRICULTURE IS MORE VULNERABLE
• THE U.S. ECONOMY IS MORE VOLATILE
• TERRORISTS ARE LOOKING FOR WAYS TO:
  Cripple the American economy
  Instill fear
  Cause loss of confidence in U.S. food safety
• AMERICAN AGRICULTURE (ITS FOOD SUPPLY)
  HAS BECOME A RELATIVELY EASY AND
  ATTRACTIVE TARGET FOR TERRORISTS
SO WHO IS GOING TO PROTECT THE AG INDUSTRY?

• IT'S GOING TO BE UP TO US

• THERE IS A FEDERAL PLAN

• THERE IS A STATE PLAN

• EACH COUNTY IS DEVELOPING ITS OWN COUNTY PLAN
THE COMBINED PLANS:

- IDENTIFY AGENCIES & PERSONNEL
- IDENTIFY RESOURCES
- ASSIGN RESPONSIBILITIES
- ESTABLISH A CHAIN OF COMMAND
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IDENTIFYING RESOURCES

• BURIAL EQUIPMENT
• TRANSPORTATION EQUIPMENT
• CLEANING AND DISINFECTING EQUIPMENT
• EQUIPMENT TO SUPPORT THE QUARANTINE
## Chain of Command

- **Incident Commander**
  - **Safety Officer**
  - **Liaison Officer**
  - **Information Officer**
  - **Legal Officer**

### Finance Section Chief
- Time
- Cost
- Procurement
- Compensation

### Logistics Section Chief
- Supply
- Facilities
- Ground Support
- Communications
- Food
- Medical

### Operations Section Chief
- Appraisal
- Diagnosis & Inspect
- Clean & Disinfect
- Disposal
- Regulatory Enforce.
- Security & Disease
- Surveillance
- Vaccination
- Vector Control

### Planning Section Chief
- Animal Welfare
- Database Systems
- Disease Reporting
- Disease Specialist
- Economics
- Environmental Impact
- Epidemiology
- Training
- Risk Assessment
- Vaccine Evaluation
- Wildlife Vector Control

**Incident Command System** is used at Federal, State, & County level
DISEASE THREATS

• FOOT AND MOUTH DISEASE (FMD)
• BSE
• RINDERPEST
• CLASSICAL SWINE FEVER
THE FIRST 24 HOURS: STATE RESPONSIBILITIES

• BY ORDER OF THE LIVESTOCK COMMISSIONER

• CLOSE STATE BORDERS

• STOP MOVEMENT ORDER

• CLOSE LIVESTOCK MARKETS AND SLAUGHTER PLANTS
THE FIRST 24 HOURS:  
THE COUNTY’S ROLE  
(LIMITED STATE/FEDERAL HELP)

• THE COUNTY’S RESPONSIBILITY:
  • ESTABLISH QUARANTINE AREA AROUND INFECTED PREMISES & EXPOSED ZONE, IN COOPERATION WITH KAHD
  • PREPARE FOR “STOP MOVEMENT” ORDER OF ALL LIVESTOCK IN-TRANSIT--ENFORCED BY LOCAL AND STATE LAW ENFORCEMENT
  • SET UP CLEANING AND DISINFECTING
  • EUTHANASIA & BURIAL
  • PUBLIC HEALTH CONCERNS
KANSAS OPERATES AT 4 LEVELS

LEVEL 1: (Normal Operations) The situation is monitored by KEM around the clock.

LEVEL 2: (Watch) An observation phase when a suspicious animal disease is being investigated by Kansas Animal Health Dep’t.

LEVEL 3: (Partial Activation) A warning phase where lab results have confirmed a FAD diagnosis outside Kansas and/or a “highly likely” investigation is happening in Kansas. All primary, or lead ESF’s will be notified to be on alert status.

LEVEL 4: (Full Activation) Follows laboratory confirmation of a FAD in Kansas. Kansas Emergency Plan for Foreign Animal Disease goes into effect. All primary & support agencies under the Kansas Emergency Plan will be activated. The Kansas EOC will be activated. County will be first responders, until State & Federal Agencies can become mobilized.
HOW WILL WE KNOW THAT WE HAVE A FOREIGN ANIMAL DISEASE?

• LIVESTOCK PRODUCER MAY NOTICE THESE SYMPTOMS AND CALL VETERINARIAN TO EXAMINE LIVESTOCK:
  • ANY VESICULAR DISEASE
  • UNUSUALLY HIGH PREVALENCE / RAPID SPREAD
  • UNUSUALLY HIGH DEATH LOSS
  • NEUROLOGICAL PROBLEMS

• THE EXAMING VETERINARIAN REPORTS UNUSUAL CASE TO KAHD AND/OR USDA

• FOREIGN ANIMAL DISEASE DIAGNOSTICIAN (FADD) IS SENT TO THE SITE WITHIN 4 HOURS
WHAT WILL HAPPEN THEN?

• KANSAS LIVESTOCK COMMISSIONER WILL BE INFORMED OF THE INVESTIGATION

• IF CONSIDERED “HIGHLY LIKELY” TO BE A FAD:
  • Samples collected will be flown to Plum Island laboratories by KHP for diagnosis (definitive diagnosis within 24 hours)
  • Verbal Quarantine of infected premises will be issued by FAD Diagnostician
  • IF Foot and Mouth Disease is confirmed, it will become a Law Enforcement event, involving local law, KBI, and FBI (Stopping livestock movement, collecting evidence, etc.)
  • Livestock, equipment, feed and people will all be affected
  • If Foot and Mouth Disease is confirmed; County, State, and Federal Agencies and other entities will all become involved in response and recovery operations
CONFIRMATION OF FOOT AND MOUTH DISEASE

• BY ORDER OF THE
KANSAS LIVESTOCK COMMISSIONER:

• STATE BORDERS CLOSED
• STOP ALL LIVESTOCK MOVEMENT
• LIVESTOCK MARKETS CLOSED, SLAUGHTER PLANTS RESTRICTED, FEEDYARDS MAY NO LONGER RECEIVE CATTLE
• ACTIVATE QUARANTINE AREA & RESTRICTED ZONES
• APPRAISAL OF AFFECTED ANIMALS FOR INDEMNIFICATION
• EUTHANASIA AND BURIAL OF ALL INFECTED OR EXPOSED SUSCEPTIBLE ANIMALS
• DISPOSAL OF FEED AND OTHER CONTAMINATED AGENTS
• CLEANING AND DISINFECTING
A Quarantine Area will be imposed around every outbreak discovered.
THE FIRST 24 HOURS

> QUARANTINE OF INFECTED PREMISES, EXPOSED ZONE AND SURVEILLANCE AREA. C & D SET UP
> ACTIVATE ALL COMMITTEES, AGENCIES, SUPPORT PEOPLE, LOCAL AND STATE EOC’S
> CLOSE KANSAS BORDERS BY ORDER OF COMMISSIONER
> STOP MOVEMENT OF ALL LIVESTOCK (LAW ENFORCEMENT)
> LIVESTOCK MARKETS, SLAUGHTER PLANTS CLOSED
> COUNTY COMMITTEE IDENTIFY & STAFF FACILITIES FOR ANIMALS STOPPED IN-TRANSIT & UNLOADED FOR SURVEILLANCE: CHECKING IN--FEEDING, ETC.
> PRODUCERS FROM COUNTY COMMITTEE TO HELP LAW ENFORCEMENT IDENTIFY LOCAL PRODUCERS (HELP WITH STOP MOVEMENT ORDER)
> WORK WITH THE MEDIA, IN COOPERATION WITH KAHD. WE WANT THEM TO BE OUR ALLIES AND NOT OUR ENemies!
IN THE QUARANTINE AREA:

• FOREIGN ANIMAL DISEASE DIAGNOSTICIAN (FADD) WILL BE INCIDENT COMMANDER

• ACCESS IN & OUT OF QUARANTINE AREA RESTRICTED

• INDEMNIFICATION APPRAISALS

• EUTHANASIA & BURIAL TO BEGIN IMMEDIATELY

• CLEANING AND DISINFECTION TEAMS & STATIONS SET UP
A HUGE COUNTY CONCERN

• EUTHANASIA & CARCASS DISPOSAL

Dealing with large numbers (Feedlots, etc.)
Ground water, archaeological, & other concerns
Public perception and politics
Tremendous resources will be needed
(personnel, equipment, expertise)
PRE-PLANNING

• ABOUT THE QUARANTINE:

There will be a quarantine around each infected premises (if a contagious disease)---the quarantined area could become very large.

How many roadblocks would be needed?

What if municipalities are included in the Quarantine areas???

What if the disease of concern is zoonotic?

Cleaning & Disinfecting: who will be doing that?
CONSEQUENCE MANAGEMENT

• ANIMALS MUST BE FED AND WATERED
• MUNICIPALITIES MUST FUNCTION
• THERE MUST BE ACCESS TO HEALTHCARE
• UNINTERRUPTED FOOD SUPPLY
• GOOD P.R. FOR THE AG RESPONSE TO FAD
• CONTINUATION OF LAW ENFORCEMENT
• SCHOOL WILL PROBABLY BE IN SESSION
• PEOPLE WILL BE VERY WORRIED

EVERYONE WILL BE AFFECTED!!!
SOME PLAYERS WILL BE:

NATIONAL GUARD

• PROVIDE SUPPORT TO LAW ENFORCEMENT
  > ROAD BLOCK PLAN WITH KHP & SHERIFF OFFICERS
  > PREMISES SECURITY AND COMMUNICATIONS
  > AIR SUPPORT AND TRANSPORTATION

• PROVIDE SUPPORT TO ANIMAL HEALTH DEPT.
  > DEPOPULATION
  > QUARANTINE

• PROVIDE SUPPORT TO DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS
  > HEAVY EQUIPMENT & TRANSPORTATION

• CLEANING AND DISINFECTION
PUBLIC WORKS

• ASSIST NAT’L. GUARD AND DEP’T. OF TRANSPORTATION IN EQUIPMENT MANAGEMENT

• BARRICADE PLACEMENT & MONITORING

• MOVEMENT OF LIGHT & HEAVY EQUIPMENT

• COORDINATION WITH PLANNING / ZONING

• COORDINATION WITH DEP’T. OF HEALTH & ENVIRONMENT

• SECURE PERMITS & LICENSING IF NEEDED
PACKERS

ASSIST IN TRANSPORTATION COORDINATION
STOP PACKER MOVEMENT IN QUARANTINE
COORDINATE SECURITY OF STOPPED ANIMALS IN OTHER JURISDICTIONS
COORDINATE PRODUCTION SCHEDULE REVIEW WITH DEP’T. OF AG / USDA
COORDINATE FINISHED PRODUCT SHIPMENT SCHEDULE WITH DEP’T. OF AG / USDA
LIVESTOCK AUCTIONS

• STOP SALES & MOVEMENT OF LIVESTOCK
• PROVIDE DOCUMENTATION OF RECENT MOVEMENT
• ASSESS IMPACT & POTENTIAL IMPACT TO AREA
• COORDINATE “IN-TRANSIT ANIMAL” HOUSING AND CARE
COUNTY EXTENSION AGENTS

• LIAISON WITH PRODUCERS
• PRODUCER INFORMATION & EDUCATION
• PROVIDE DATA TO VETERINARIANS FROM UNIVERSITY LINKS
• SUPPORT STATE & LOCAL PUBLIC INFORMATION TEAMS
• SUPPORT RE-DIRECTION OF “IN-TRANSIT” ANIMALS
• SUPPORT IMPACT ASSESSMENT PROCESS
PUBLIC HEALTH

• DETERMINE PUBLIC HEALTH RISK  
  (ZOONOTICS)

• LINK WITH  
  DEP’T. OF HEALTH & ENVIRONMENT

• COORDINATE WITH HEALTHCARE FACILITIES 
  AND PERSONNEL

• IMPLEMENT LOCAL HEALTH PLAN & 
  COORDINATE VACCINATION PLAN, 
  IF NECESSARY

• SUPPORT PUBLIC INFORMATION EFFORTS 
  > ADDRESS PUBLIC HEALTH CONCERN QUESTIONS

• PROVIDE COUNSELING SERVICES
VETERINARIANS

• KANSAS VOLUNTEER VET CORPS: ---FIRST LINE OF LOCAL SUPPORT TO KAHD AND DEP’T OF AG PERSONNEL

• IMPLEMENT LINK WITH LOCAL DVM NETWORK

• SUPPORT PUBLIC INFORMATION EFFORT

• SUPPORT STOP MOVEMENT / DIVERTED ANIMALS ORDER
PREVENTION

INDUSTRY:

• BE SECURITY CONSCIOUS
• REPORT SUSPICIOUS ACTIVITY
• PRACTICE GOOD BIO-SECURITY CLEANLINESS
  SIGN IN
  BARRIERS
  TRACE DOCUMENTATION
• MONITOR ANIMALS CLOSELY
• EDUCATE EMPLOYEES ON SIGNS & SYMPTOMS
HOW THE ENTIRE AG INDUSTRY CAN MAKE A DIFFERENCE!

- REPORT SUSPICIOUS ACTIVITY
- PARTNERSHIP WITH PUBLIC OFFICIALS

PREPARE NOW AS MUCH AS POSSIBLE
MILLION $$ MINUTES!

ECONOMIC IMPACT: $$ BILLIONS!! $$

• A local level plan coordinated with State and Federal plans will accomplish:
  
  A RAPID RESPONSE
  APPROPRIATE RESOURCE MANAGEMENT
  A REDUCTION IN ECONOMIC IMPACT
  BETTER PUBLIC CONFIDENCE
  CONTAINMENT OF THE DISEASE
  FASTER RECOVERY
After FMD
WILL YOU be the one who WAS NOT PREPARED?