United States Animal Health Association
Committee on Animal Emergency Management

USDA/APHIS/VS Emergency Management & Diagnostics Update

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Safeguarding Animal Health
Emergency Management & Diagnostics

• Develops strategies and policies for effective incident management
• Coordinates incident responses
• Manages several key VS initiatives, including
  ➢ National Veterinary Stockpile
  ➢ National Animal Health Emergency Response Corps (NAHERC)
• Oversees the National Veterinary Services Laboratories
• Oversees the Center for Veterinary Biologics
National Center for Animal Health Emergency Management

- National Center for Animal Health Emergency Management (NCAHEM)
  - NCAHEM-Interagency Coordination
  - NCAHEM-National Veterinary Stockpile
  - NCAHEM-Preparedness and Incident Coordination
Preparedness and Incident Coordination (PIC)

Secure Food Supply Plans

NAHERC
National Animal Health Emergency Response Corps

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PIC – FAD PReP Materials

Foreign Animal Disease Preparedness and Response Plans

https://fadprep.lmi.org

NEW: http://www.aphis.usda.gov/animal_health/emergency_management/

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PIC – FAD PReP Materials (cont.)

New/Revised in 2012 (selected)

• Concept of Operations
  ➢ APHIS FAD Framework: Roles and Coordination (May 2012)
  ➢ APHIS FAD Framework: Response Strategies (May 2012)
  ➢ NCAHEM Incident Coordination Group Plan (June 2012)

• Response Plans
  ➢ FMD Response Plan: The Red Book (June 2012)
  ➢ Draft CSF Response Plan (February 2012)

• Ready Reference Guides
  ➢ Zones, Areas, and Premises

• Movement Control
• Overview of Emergency Vaccination (FMD)
• Quarantine, Movement Control, and Continuity of Business
• Common Operating Picture (FMD)
• FMD Response Strategies

• National Animal Health Emergency Management System (NAHEMS) Guidelines
  ➢ Draft Continuity of business
  ➢ Classical Swine Fever Vaccination

• Industry Manuals
  ➢ Cow-calf
PIC – Other Collaborations

- Continuity of Business - management of non-infected premises and non-contaminated animal products in FAD regulatory control areas
    - California
    - Colorado
    - New England Region SMS Working Group
    - Mid-Atlantic Region SMS Working Group
    - NY/NJ/PA Region SMS Working Group
    - Wisconsin
  - Broiler Working Group
  - Secure Turkey Supply
  - Secure Pork Supply

- Preparedness and Response Tools
  - EMRS 2.0
  - California Department of Food and Agriculture (CDFA) – CAHEMS Tool
  - Texas A&M FAZD Center – ERSS Dashboard

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- 3,120 qualified members enrolled
  - 895 veterinarians
  - 2,225 animal health technicians

- Training modules hosted by Iowa State University
  - Current training modules:
    - Introduction to NAHERC
    - Biosecurity
    - C&D
    - PPE
    - Exotic Avian Diseases
    - Health and Safety
    - Vesicular Diseases

http://naherc.sws.iastate.edu

PIC - National Animal Health Emergency Response Corps (NAHERC)
Interagency Coordination (IC)
IC – Radiological Activities

• Purpose: Develop capabilities and PARs for responding to a radiological emergency

• Recent Activities:
  ➢ Humane euthanasia product for swine, based on suidae sensitivity to sodium nitrite.
  ➢ Presentations at the DHS/FEMA Improvised Nuclear Device Forum.
    ➢ Research being conducted to close gaps in agricultural response and recovery
    ➢ Research on pets/agricultural animals/service animals/zoo animals in IND events for the Response Working Group.
  ➢ Food and Agriculture Defense Initiative ‘Meeting of Networks’.
IC – Strategic Information Support

• Provide Classified Information to USDA’s Office of Strategic Information
• Establish relationships and serve as agricultural subject matter experts to the IC
• Respond to RFI on disease outbreaks outside of US
IC – 3D Activities

- Depopulation
  - Validation of portable captive-bolt technology for cattle
  - Development of on-farm CO₂ depopulation of swine
  - Enhancement of foam technology to address cage reared poultry and addition of disinfectant capacity

- Disposal
  - Evaluating pathogen containment in the rendering process
  - Logistical infrastructure (identification & mapping of disposal capacity)
  - Online Emergency Management Tools

- Disinfection
  - Porous surface & cold temperature disinfection research with EPA, ARS, and CFIA
  - Development of Non-Freezing Automated Portable Vehicle Wash Tunnel with DHS
IC – Modeling Activities

• Purpose – Lead joint USDA/DHS FAD modeling analysis and guide interagency efforts to develop additional trusted disease spread modeling capability

• Recent Activities
   National Cattle Movement Model – Part of the NIMBioS
   NAADSM – a Trusted Model used by many organizations to evaluate response strategies, consequences of contagious disease outbreaks, and estimate resource needs
National Veterinary Stockpile (NVS)

Website:  http://nvs.aphis.usda.gov
Email:    nvs@aphis.usda.gov

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Updates of NVS Website
http://nvs.aphis.usda.gov

- August 2012 NVS Logistics Catalog posted on restricted Website
- Revised Questions & Answers
- Newly created NVS Countermeasures Request Form
- Coming Soon:
  - Colorado NVS & Agricultural Logistics Plan
  - Revised NVS State Plan Template and NVS Planning Guide for Federal, State, Tribe, and Territory Officials
NVS New and Future Acquisitions

- New berm systems for decontamination operations
- New cut-resistant gloves and durable nitrile gloves
- Cold chain packaging solutions
- Large cattle/bison portable squeeze chute systems
- Mobile swine electrocution units
- Portable trailer-mounted refrigerators
- Swine panel transport trailers
- Transport trailers for poultry foam units

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[Images of Throw 'N Go® Berm System and Cut-Resistant and Durable Nitrile Gloves]
NVS Outreach and Exercises

• FY 2012
  ➢ Colorado and NVS 2012 Logistics Exercise, September 19–20, 2012
  ➢ NVS preparedness projects with Kansas, Oklahoma and Texas

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Recent NCAHEM Activities

Foot-and-Mouth Disease Functional Exercise, June 2012

• Clarified roles and responsibilities within APHIS and Federal interagency partners in an FMD outbreak.
• Participants from across APHIS, FEMA, and several States
• Highlighted intense resource demands that would occur in FMD outbreak.

FADD Response Training

• Provided FADDs continuing education via a short course.
• Held locally to minimize cost
• Course fulfills continuing education requirements of FADDs under Veterinary Guidance Document 12000.1, “Foreign Animal Disease Diagnostician Certification Requirements”.

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Future Projects

- Development of the capability to simulate spread between livestock and wildlife
- Texas and NVS full scale exercise
- NVS preparedness projects with New York, Pennsylvania, and Wisconsin
Surveillance, Preparedness, & Response (SPR)

José Díez, ADA
Jack Shere & Rick Hill, ED

Animal Health
- Aquatic Health
- Avian Health
- Cattle Health
- Cervid Health
- Equine Health
- Sheep/Goat Health
- Swine Health

Surveillance & Preparedness Capability

Field Services
- National Veterinary Stockpile
- Interagency Coordination
- Traceability

Field Offices (NE, SE, NW, SW)

Field Epidemiology & Response

National Veterinary Accreditation Program
- ESF - 11

Administrative Support

Chief Epidemiologist

Surveillance, Preparedness, & Response (SPR)

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8/20/2012
Questions?

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