

State of Iowa

FOOT-AND-MOUTH DISEASE RESPONSE AND RECOVERY PLAN

Executive Summary

The purpose of the plan is to identify, assign, and coordinate all activities necessary for preventing, responding to, and recovering from an outbreak of foot-and-mouth disease (FMD) in the State of Iowa.

Plan Goals:

Goal 1 – Prevention: Minimize the likelihood of an outbreak of FMD within Iowa’s borders.

Goal 2 – Surveillance and Detection: Track and monitor instances of FMD throughout the country and maintain close ties with the agricultural community in the affected state(s); rapidly detect any cases within Iowa’s borders.

Goal 3 – Containment: Stop the spread of FMD once it is present within Iowa’s borders. Includes quarantines, movement control restrictions, contact tracing, and the implementation of a vaccination program consistent with the national vaccination policies in effect at the time.

Goal 4 – Eradication: Eliminate the presence of FMD within Iowa’s borders. Includes depopulation of infected and exposed animals and/or herds, carcass disposal, and destruction or disinfection of contaminated products and materials.

Goal 5 – Recovery: Identify and implement federal and state programs, support mechanisms, and technical services to assist individuals, families, farms and other businesses, and state and local governments with the process of recovering from the effects of an FMD outbreak.

Plan Scope

- ◆ FMD only -- this will be expanded to full “Animal Disaster Annex” and folded into the State Emergency Plan.
- ◆ Goes into effect only after an FMD case has been confirmed in North America.
- ◆ Primarily intended to commit and direct state government activities and resources and to describe coordination with other organizations.

Plan Activation

- ◆ Plan coordinates authorities of the Governor (Code of Iowa Chapter 29C, Emergency Management) and the Iowa Secretary of Agriculture (Code of Iowa Chapter 163, Infectious and Contagious Diseases Among Animals):
 - Activation occurs through a Governor’s Proclamation, which provides for the use of state personnel and other resources to implement plan.
 - Secretary of Ag has direct authority to quarantine and embargo animals and animal products.
- ◆ The level of plan activation and the associated response activities correspond to pre-defined external triggers:
 - Action Level 4** - Confirmed FMD case in the United States, Canada, or Mexico.
 - Action Level 3** - Presumptive positive FMD case in Iowa, as pronounced by the State Veterinarian.

Action Level 2 - Confirmed positive FMD case(s) in Iowa, as pronounced by the State Veterinarian, state and local capabilities have not been overwhelmed.

Action Level 1 - Confirmed positive FMD cases in Iowa, as pronounced by the State Veterinarian, state and local capabilities have been overwhelmed.

State Agencies with Primary Responsibility for Response and Recovery

- ◆ Office of the Governor
- ◆ Iowa Department of Agriculture and Land Stewardship (IDALS)
- ◆ Iowa Emergency Management Division (EMD)
- ◆ Iowa Department of Natural Resources (DNR)
- ◆ Iowa Department of Public Safety (DPS)
- ◆ Iowa Department of Transportation (DOT)
- ◆ Iowa Department of Public Health (DPH)
- ◆ Iowa Department Human Services (as coordinated through the Iowa Emergency Plan)
- ◆ Iowa National Guard
- ◆ Iowa State University Extension Service (ISU Extension)
- ◆ Iowa State University College of Veterinary Medicine (ISU Vet College)

Key Non-State-Government Partners

- ◆ Federal
 - USDA, including the Farm Service Agency (FSA) and the Animal and Plant Health Inspection Service (APHIS): Will play a major role in managing all aspects of FMD-related response and recovery.
 - FEMA: Will coordinate other federal agency resources in support of USDA and/or state-level response and recovery efforts.
- ◆ Local
 - Elected officials
 - County emergency management, public health, and engineer's office
 - Local fire, police, and public works
 - Hazmat teams (for assisting with cleaning & disinfection efforts)
- ◆ Private Sector
 - Farm Bureau
 - Beef
 - Pork
 - Dairy
 - Sheep
 - Other susceptible livestock (e.g., Elk)
 - Livestock marketing and related business
- ◆ Private Non-Profit Organizations
 - American Red Cross
- ◆ Media

Situation Description

- ◆ Disease Characteristics
- ◆ Assessment of Vulnerabilities

List of Assumptions

- ◆ Expectations based on previous experience and written or verbal understandings with non-state government entities.

Policy Statements

- ◆ Statements of state government policy based on a pre-event consensus by affected agencies.

Operational Overview

At Action Levels 4 the State Emergency Operations Center (SEOC) will be activated and will serve as the central site for monitoring an FMD outbreak. At Action Levels 3, 2 and 1, the State Emergency Operations Center (SEOC) will serve as the central command site for managing the state and federal response to a confirmed FMD outbreak within Iowa's borders. At Action Levels 2 and 1, forward command locations will be established near FMD-infected sites or groups of infected sites. State operations will be managed using a unified command approach. See page 5 for an organizational chart.

Assigned State Agency Responsibilities

Level 4 -- Confirmed FMD case in the United States, Canada, or Mexico.

Governor and associated executive branch agencies:

- ◆ Issue Disaster Proclamation
- ◆ Activate State Emergency Operations Center, set up command structure
- ◆ Set up check points along major transportation routes (DOT and DPS)
- ◆ Create signage along routes to explain restrictions
- ◆ ISU veterinarians and lab move to a heightened level of awareness

Iowa Department of Agriculture and Land Stewardship:

- ◆ Conduct site visits with USDA to slaughter plants, sales barns and other concentration points
- ◆ Implement a permitting system
- ◆ Implement & enforce modified inspection standards for packing plants
- ◆ Recommend that zoos take protective measures
- ◆ Implement public relations campaign to maintain, reestablish consumer confidence
- ◆ Order an embargo or prohibition on importation of animals or animal products in Iowa

Level 3 -- Presumptive positive FMD case in Iowa.

Governor and associated executive branch agencies:

- ◆ Review and approve quarantine decisions for people and non-animal products
- ◆ Expand level of activity at State Emergency Operations Center
- ◆ Enforce movement of people, vehicles and other non-animal products
- ◆ Inspect commercial traffic and if necessary detain, escort out of state
- ◆ Create signage to support quarantine and other movement controls
- ◆ Establish cleaning and disinfection capability
- ◆ Implement airspace restrictions through Federal Aviation Administration, as coordinated by Iowa DOT

Iowa Department of Agriculture and Land Stewardship:

- ◆ With consultation from the USDA Area Veterinarian in Charge (AVIC), establish quarantine areas
- ◆ Prevent movement of suspect animals and animal products
- ◆ Direct state vet staff to oversee determination/monitoring and cleaning and disinfection procedures

Level 2 -- Confirmed positive FMD case(s) in Iowa, state and local capabilities not overwhelmed.

Governor and associated executive branch agencies:

- ◆ Review wildlife for evidence of FMD (DNR)
- ◆ Establish Unified Command at forward locations with representation from EMD (DPD), IDALS, DNR, DOT, and DPS
- ◆ State EOC unified command consists of : Governor, EMD, IDALS, DNR, DOT, DPH, Iowa National Guard, and DPS
- ◆ Implement measures to prevent movement of susceptible wildlife carriers from quarantine area(s)
- ◆ Establish protocol to bury/burn/dispose of animals both domestic and wildlife
- ◆ If needed, waive environmental regulations to allow for disposal
- ◆ Ensure public is informed about disposal operations and if needed, any protective measures public should take

Iowa Department of Agriculture and Land Stewardship:

- ◆ Close zoos
- ◆ Establish appraisal guidelines
- ◆ Request indemnity funds
- ◆ Establish quarantine if not already completed under Level 3
- ◆ Trace all herds and individual animals
- ◆ Close slaughtering, and auction markets in the quarantine zone
- ◆ Help with oversight of cleaning and disinfection procedures
- ◆ After appraisal process, order euthanasia and disposal of animals
- ◆ Establish and oversee procedures for daily reporting

Level 1 -- Confirmed positive FMD cases in Iowa, state and local capabilities overwhelmed.

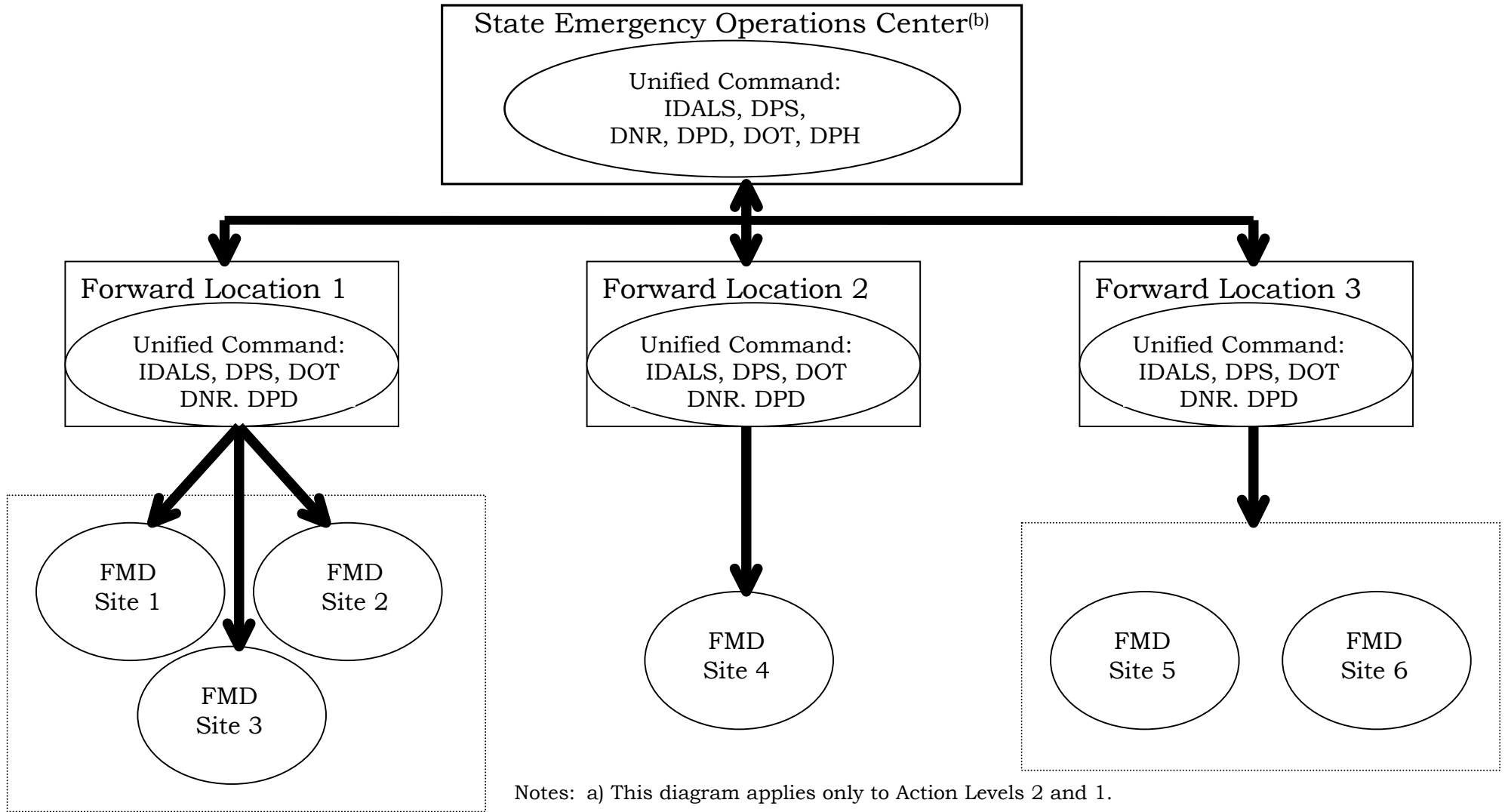
Governor and associated executive branch agencies:

- ◆ Request assistance and resources from other states, federal agencies, and non-governmental entities

Iowa Department of Agriculture and Land Stewardship:

- ◆ Consider the use of vaccine to control
- ◆ With the AVIC, request assistance from the Regional Emergency Animal Disease Eradication Organization (READEO)

Concept of Statewide Organization for Response to a Foot-and-Mouth Outbreak^(a)



Notes: a) This diagram applies only to Action Levels 2 and 1.
b) The Governor or a designee may elect to establish a presence at the SEOC.

Glossary

Buffer zone: An area surrounding the quarantine area established for the purpose of separating infected herds from the remainder of the geographic area of the state. The State Veterinarian will determine restrictions on the movement of animals out of the buffer zone. The State Veterinarian will also determine the radius of a buffer zone, with concurrence from the Office of the Governor.

Concentration point: A location or facility where livestock is assembled for purposes of sale or resale for feeding, breeding, or slaughtering, and where contact may occur between groups of swine from various sources. The term “concentration point” includes a public stockyard, auction market, street market, state or federal market, untested consignment sales location, buying station, or a livestock dealer's yard, truck, or facility.

Confirmed positive FMD diagnosis: The State Veterinarian’s determination that an animal has contracted FMD, which is based on a laboratory test, clinical symptoms, and, when available, the judgement of the USDA Area Veterinarian In Charge. Currently the only laboratory capable of performing these tests in the US is located in Plum Island, New York.

Euthanasia: The humane destruction of an animal accomplished by a method that involves instantaneous unconsciousness and immediate death or by a method that involves anesthesia, produced by an agent which causes painless loss of consciousness, and death during the loss of consciousness.

Foot-and-mouth disease: A highly contagious and economically devastating disease of cattle, swine, sheep, goats, deer, and other cloven-hoofed ruminants.

Foreign Animal Disease Diagnostician: A veterinarian who has received specialized training qualifying her or him to diagnose specific animal diseases using field analysis, laboratory test results, or a combination of the two.

Governor’s Proclamation of Disaster Emergency: Activates the disaster response and recovery aspect of the state, local and interjurisdictional disaster emergency plans applicable to the political subdivision or area in question and provides authority for the deployment and use of any forces to which the plan applies, and for use or distribution of any supplies, equipment, and materials and facilities assembled, stockpiled, or arranged to be made available.

Presumptive positive FMD diagnosis: The State Veterinarian’s determination that an animal has contracted FMD, based on a field analysis by a Foreign Animal Disease Diagnostician (FADD) and/or preliminary laboratory results, and, when available, the judgement of the USDA Area Veterinarian In Charge.

Quarantine area: The area extending immediately around herds presumed or confirmed to be infected with FMD. The State Veterinarian determines the radius of this area under the advisement of the USDA Area Veterinarian In Charge, with concurrence from the Office of the Governor. Within a quarantine area, movement restrictions and cleaning and disinfection requirements are in effect.

Regional Emergency Animal Disease Eradication Organization (READEO): READEO is made up of pre-trained animal health specialists comprising two pre-designated and regionally organized task forces. These groups stand ready to assemble for the purpose of eradicating a major animal disease outbreak.