

Poweshiek County Emergency Management Agency



Emergency Support Function (ESF) 11

Agriculture and Natural Resources

2023



Poweshiek County Emergency Management Commission

Plan Adoption Document

2023

We hereby certify that the attached/enclosed plans, portions of plans or Emergency Support Functions (ESF) to the Poweshiek County Comprehensive Emergency Response Plan have been approved and adopted by the members of the county Emergency Management Commission on this the 24th day in the month of May in the year 2023. This plan shall become part of the county emergency response and emergency operations plan once adopted.

Plans or ESFs Adopted:

ESF 11: Agricultural and Natural Resources, including all appendices and attachments

Dawn Hamilton
Chairperson, Emergency Management Commission

5-24-23
Date

Dawn Hamilton
Chairperson, EMC-Printed

Brian Paul
Coordinator, Emergency Management Agency

5/24/23
Date

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Attachments

1. Contact/resource List
2. Domestic Cat and Dog Sheltering Plan
3. Large Animal sheltering
4. Burial Zones Map
5. Biosecurity Information
 - a. Biosecurity
 - b. Cleaning and Disinfecting
 - c. Health and Safety
 - d. Mass depopulation and Euthanasia
 - e. PPE
 - f. Surveillance, epidemiology, and Tracing
 - g. Quarantine
 - h. Vaccination
 - i. Poultry Industry Guideline

Primary and Supporting Agencies

ESF Coordinator

Poweshiek County Emergency Management Agency
Poweshiek County Sanitarian

Primary Agencies

Primary agencies that will take the lead in developing and implementing this ESF

Iowa Department of Agriculture and Land Stewardship
Iowa Department of Natural Resources
Iowa Department of Homeland Security and Emergency Management
Poweshiek County Emergency Management Agency

Support Agencies

Major agencies to support the Primary Agencies

Poweshiek County Public Health
Poweshiek County Board of Health
Poweshiek County Animal League Shelter (PALS)
Poweshiek County Secondary Roads/Engineer and Public Works Departments
Iowa State University Extension Service-Poweshiek County
Local Law Enforcement
Local Fire Departments
State and Federal Agencies

Depending on the nature, surge, and scope of the incident, all agencies and jurisdictions support ESF 11 and are responsible for providing appropriate support as requested.

Introduction

Purpose

Why are we writing this plan?

Emergency Support Function (ESF) 11-Agriculture, Natural Resources, and Pets supports local authorities to provide nutrition assistance, control and eradicate as appropriate any outbreak of a highly contagious or economically devastating animal/zoonotic disease, or any outbreak of an economically devastating plant pest or disease; ensure the safety and security of the commercial food supply, and protect natural resources and well-being of household pets and livestock during an emergency response, disaster, or evacuation situation.

Information contained within this plan or other ESF's or Operational Plans may be referenced within this plan and not explained in full detail. Reference those corresponding plans for complete, detailed information.

Scope

What does the ESF 11 Plan cover?

This ESF includes five primary functions:

1. **Providing nutrition assistance-** includes working with local and state agencies, volunteers, businesses, and government agencies to determine nutrition needs and obtain appropriate food supplies, and arrange for the delivery of the supplies.
2. **Responding to animal and plant diseases and pests-** includes a coordinated response to an outbreak of a highly contagious or economically devastating animal/zoonotic disease or an outbreak of a harmful or economically significant plant pest or disease.
3. **Ensuring the safety and security of the commercial food supply-** includes the execution of routine food safety inspections and other services to ensure the safety of food products that enter commerce.
4. **Protecting natural/cultural and historic resources-** includes appropriate response actions to preserve, conserve, rehabilitate, recover, and restore resources.
5. **Provide for the safety and wellbeing of household pets and certain large animals-** Includes coordination with local public and private organizations, ESF 6-Mass Care, ESF 8-Medical, ESF 9-Search & Rescue, and ESF 14-Recovery for an integrated response that provides for the safety, protection, and well-being of household pets and some large animals.

Policies/Authorities

What policies and authorities are in place that will govern this plan?

The Iowa Department of Agriculture and Land Stewardship (IDALS) is the lead agency in the event of an infectious animal disease outbreak and has the statutory authority to make all necessary rules for suppression and prevention of infections and contagious diseases among animals in the state, as stated in Iowa Code Section 163.1. The Iowa Department of Agriculture and Land Stewardship also maintains a list of diseases that private practice veterinarians are mandated to report suspicion of the State Veterinarian. This Mandate is outlined under 21-64 (163) Infectious and Contagious Diseases of the Iowa Administrative Code.

The Iowa Department of Natural Resources (IDNR) is the lead agency responsible for carcass disposal. Authority of carcass disposal for routine mortalities is described in section 567 of Iowa Administrative Code 100.4(2). Disposal for mass animal mortalities due to natural disasters, accidents and foreign animal diseases is allowed under variance authority described at section 567 Iowa Administrative Code Chapter 13.

This ESF is activated by the Poweshiek County Emergency Management Agency upon notification of a potential or actual incident that requires a coordinated county or local response and support to help ensure scope of this ESF as governed by law is carried out. Actions initiated under this ESF are coordinated and conducted cooperatively with state and local incident management and is governed under 605 of Iowa Administrative Code Chapter 29C.

County and municipal codes and ordinances.

Each supporting agency is responsible for managing its respective assets and resources after receiving direction from the primary agency for the incident.

Agriculture Declaration

Storm damage to the agriculture sector can be severe, yet will likely not qualify for Stafford Act (Presidential Declaration) assistance. Most agriculture disaster assistance programs flow through the US Department of Agriculture (USDA) which has its own unique set of qualifiers. When an agriculture disaster occurs, the US Department of Agriculture Farm Service Agency will reach out to counties and request Loss Assessment Reports. Producers must work with their county Farm Service Agency office to properly capture data for the Loss Assessment Reports. Once the reports are compiled, they are evaluated to see if damage meets one of two criteria:

1. A county-wide disaster with qualifying percentages of crop loss in one or more commodities.

2. Individual production systems with qualifying losses based on the total yield of their operation.

Crop insurance has a direct bearing on the benefits received from disaster programs. Loss Assessment Reports are reviewed by the State Emergency Board. The State Emergency Board includes:

- IDALS
- Iowa HSEMD
- ISU
- Farm Service Agency
- FEMA
- Federal Crop Insurance
- Natural Resources Conservation Service
- National Agricultural Statistics Service
- USDA Inspection Service

Agriculture Declaration Process

When an event occurs and reports indicate severe damage, the Governor's office asks the Farm Service Agency to gather Loss Assessment Reports and schedules a State Emergency Board meeting. The State Emergency Board analyzes the data and recommends (or declines to recommend) a U.S. Department of Agriculture Secretarial declaration to the Governor. The Governor sends the declaration request to U.S. Department of Agriculture Secretary of Agriculture. Losses are documented based on current crop year compared to previous years (yield data will be collected beginning in November or December). Disaster application intake starts the following November 1 (for example, producers apply in November 2010 for 2009 losses). The entire process takes a minimum of 18 months with benefits being paid approximately 6 months later.

Situations and Planning Assumptions

What situations are creating the need for this plan, and what can we realistically assume when planning for this type of emergency?

- Poweshiek County has approximately 320,000 acres of farm land and approximately 111,000 livestock on 950 farms.
- Poweshiek County does not have any organization that is directly responsible for dealing with agriculture emergencies and disasters. An agriculture emergency response within the county will likely be in a support role of actions taken by state and federal authorities to directly respond to the focused event.
- The agriculture industry in Poweshiek County is a major contributor to the economy of the region and state. An outbreak of a disease that impacts the local agriculture community would result in significant economic losses.

- Large-Scale disasters, such as flooding, severe drought, winter storms, tornados, and more may injure, kill, and/or displace household pets, livestock, and wildlife.
- Not all animal disease introductions require emergency response functions. Many disease introductions are routinely handled by private practice veterinarians and/or veterinarians employed by the State.
- Response measures are greatly influenced by the infectivity of the disease, its characteristics of transmission, and the action necessary to contain it.
- Response functions may be initiated in the event of an introduction of a highly infectious animal disease, foreign animal disease, emerging animal disease, or any other animal disease that meets one or more of the following criteria:
 - The disease outbreak falls outside the domain of the state's routine prevention and response activities and capabilities
 - The disease is highly contagious, therefore creating a significant risk of rapid transmission across a large geographical area, including non-contagious areas.
 - The disease creates the potential to cause widespread personal hardship within the agriculture community and/or is detrimental to the state or national economy.
- Human shelter sites and the Red Cross will not provide care for animals brought to the shelter sites or rescued from disaster situations.
- Owners are expected to provide proof of vaccinations, pet carriers, food, water, medications, and husbandry for their pets during the time they are in emergency shelters.
- If the animal disease is zoonotic, it may affect humans and require the activation of ESF 8-Health and Medical, therefore public health, medical responders, and hospitals may have a major role in the response as well.
- The disease is determined to be one of the International Animal Health Code "list A" diseases which includes:

Foot and mouth disease	○ Rinderpest
○ Swine vesicular disease	○ Contagious bovine pleuropneumonia
○ Peste des petits ruminants	○ Rift Valley fever
○ Lumpy skin disease	○ Sheep pox and goat pox
○ Bluetongue	○ African swine fever
○ African horse sickness	○ Highly pathogenic avian influenza
○ Classical swine fever	
○ Newcastle disease	
○ Vesicular stomatitis	
- Infectious animal disease disasters may require the development of Quarantine Zones
 - Increased biosecurity measures may be implemented inside these zones

- Any incident generating an emergency load that exceeds the normal day-to-day capabilities of veterinary services may be considered a disaster.
- Mutual aid, state and federal resources will be available to assist the county in natural emergencies/disasters.

Concept of Operations

This section will describe how the primary and support agencies will organize and work to support the overall response effort

General

The Iowa Department of Agriculture and Land Stewardship (IDALS) and the Iowa Department of Natural Resources (IDNR) are the coordinators for this ESF and organize their staff and support agencies based upon the five core functional areas. They organize and coordinate the capabilities and resources of the State of Iowa to facilitate the delivery of services, technical assistance, expertise, and other support for incidents requiring a coordinated State response.

Response functions will be at the discretion of the Iowa Department of Agriculture and Land Stewardship and carried out by the State Veterinarian or official designee.

Because of the sensitivity of an Infectious Animal Disease Response, a Joint Information Center will be established to coordinate official public information releases and to coordinate the activities of local, State, and Federal Public Information Officers. See ESF 15 – Public Information for more information.

The Poweshiek County EMA should be the contact point for IDALS/unified command communications. The IDALS/unified command should define communications channels and notify the Poweshiek County EMA of the communications structure as they are using for these state and federal entities.

The National Incident Management System (NIMS) and Incident Command System (ICS) will be utilized throughout the county for coordinating activities among first responders and provides for a response plan that unifies federal, state, and local governments for incident response.

Incident Commanders (IC) from state or federal jurisdictions should make requests for Poweshiek County resources through the Poweshiek County EMA Coordinator or the EOC Manager. State or Federal jurisdictions may be responsible for costs associated with requested resources. ICs from State or Federal jurisdictions should specify whether they will elevate resource requests that cannot be filled by the Poweshiek County EOC/EMA through their command channels or whether they will want the Poweshiek County EOC/EMA to elevate these requests to the State EOC.

Situation and damage assessment information for locally controlled emergencies/disasters will be transmitted through established channels to the Incident Command Post and the Poweshiek County EOC except for damage related to agricultural activities which will be reported by the Farm Service Agency with a copy of the information provided to the Poweshiek County EOC. Situation and damage assessment information for state/federally controlled emergencies/disasters should be coordinated with the Poweshiek County EOC.

Nutrition Assistance

Food supplies secured and delivered are suitable either for household distribution or for congregate meal service as appropriate for the incident. Transportation and distribution of food supplies within the affected area are arranged by Federal, State, local, and voluntary organizations.

Coordination must be made with ESF 6 – Mass Care primary or supporting agencies that are responsible for mass feeding. Priority is given to moving critical supplies of food into areas of acute need and then to areas of moderate need.

Animal and Plant Disease

Animal and plant disease and pest responses are conducted in collaboration and cooperation with State authorities and private industries to ensure continued human nutrition and animal, plant, and environmental security, as well as to support the Iowa economy and trade.

When addressing animal diseases, all animal depopulation activities are conducted as humanely as possible while stopping pathogen spread and limiting the number of animals that must be euthanized. Disposal methods for infected or potentially infected carcasses and plant host material are chosen for their effectiveness in stopping pathogen spread and for their minimal impact on the environment.

Actions taken during an animal or plant emergency are guided by and coordinated with State and local emergency preparedness and response officials, homeland security officials, and existing Iowa Department of Agriculture internal policies and procedures.

IDALS is responsible for ensuring the Poweshiek County EMA is notified in a timely manner when it is determined that Poweshiek County resources may be required. The notification should provide sufficient information for the Poweshiek County EMA to begin response planning and to notify executives of Poweshiek County jurisdictions that may be impacted by the emergency. IDALS should also notify the Poweshiek County EMA if the disease is zoonotic to facilitate a medical response.

IDALS should develop procedures to accept responsibility for any vehicle suspected of violating stop movement orders and/or detained by Poweshiek County law enforcement agencies.

Planning and execution of carcass disposal within Poweshiek County will be coordinated with the IDNR through the Poweshiek County EMA with Poweshiek County Environmental Health assistance.

Commercial Food Supply Safety and Security

Actions are guided by and coordinated with State, tribal, and local emergency preparedness and response officials, homeland security officials, and existing Iowa Department of Agriculture internal policies and procedures. This includes the inspection and verification of food safety aspects of slaughter and processing plants, products in distribution and retail sites, and import facilities at ports of entry; laboratory analysis of food samples; control of products suspected to be adulterated; plant closures; food borne disease surveillance; and field investigations.

Poweshiek County Public Health Department, through surveillance of the medical system, will likely to be the first agency to identify threats to the safety of the food supply that originate within Poweshiek County. If they discover there is a situation which could impact a significant number of Poweshiek County residents, they should make required notifications through the medical/health community and also notify the Poweshiek County EMA.

Currently, the only agency within Poweshiek County with authority to inspect businesses that produce or serve food is the Iowa Department of Inspections and Appeals. They should be monitoring disaster situations and initiate inspections of facilities that may have been affected by a disaster. If the EMA or ESF 11 Coordinator feels there is a requirement for inspection of businesses that produce or serve food, contact with the Iowa Department of Inspections and Appeals should be made through the State Emergency Operations Center (SEOC).

Should there be a large-scale threat to the food supply; the Poweshiek County EMA should act as a support agency to the agency that is designated as lead agency for the response.

Pets/Animal Shelters

Animal evacuation and sheltering should be coordinated and conducted with human evacuation and sheltering efforts. Household pets should be sheltered near their owners to the extent possible. Owners should be expected to provide pet carriers, food, water, medications, husbandry, and exercise for their pets during the time they are in emergency shelters. Businesses where animals are part of operations (e.g., pet shops and veterinary hospitals) should have contingency plans in place for those animals in the event of a disaster or emergency.

Responders in evacuation situations should also be aware that pets are a valued member of most families and that the shelters will attempt to find housing for all animals if the owners are unable to do so. Emergency evacuation operations should also include animals only if time and safety permits.

For small scale incidents, local kennels should be the primary method to shelter animals of evacuated personnel. Pet owners will be responsible for cost associated with the housing of their pets. The excess capacity within city and county animal shelters may also be a method to shelter pets of evacuated personnel. A list of local kennels is located under **Attachment 1: Contacts/Resources**.

The Poweshiek County Animal League Shelter [PALS] should be the primary agency for coordinating the location of a pet shelter facility and staffing of pet shelters serving the county. PALS should notify the Poweshiek County EMA when they intend on establishing a pet shelter and provide information on when the shelter will be available, total capacity, available capacity, and anticipated closure time/date (when known).

- Within Poweshiek County, PALS should coordinate with either the incident commander or the Poweshiek County EOC for assisting first responders in the collection of stray animals within the disaster area.
- The PALS should provide a list with photos of recovered animals to mass care facilities on a regular basis to facilitate owner/pet reunification.

The Poweshiek County Fairgrounds may be able to assist in sheltering of pets and large breed, livestock, and poultry animals such as horses, mules, cattle, swine, chickens and turkey. **See Attachment 3 for Large Animal Sheltering Plan.**

In the event of large-scale evacuations, local organizations, or the Red Cross may open a temporary staging area, aid and comfort stations or a shelter to house and feed the affected population with no available housing. It is anticipated that many of the evacuees will bring their pets. **No pets other than Service Animals shall be allowed in the Red Cross Shelters.** Owners may make arrangements for the animals or every attempt shall be made to assist the owner with locating their animals at another location.

****See Attachment 2 for implementation of AKC Pet Reunite Pet Sheltering Trailer process expected to be in operation by end of calendar year 2023****

Natural/Cultural Resources and Historic Properties

The Iowa Department of Natural Resources is the primary agency for natural resources. The State Historical Society of Iowa is the primary agency for the cultural resources and historic properties.

Actions initiated to protect, preserve, conserve, rehabilitate, recover, and restore resources are guided by the existing internal policies and procedures of the agencies providing support for the incident.

The organizations providing support for each incident coordinate with appropriate ESFs including the health and safety of all workers and volunteers. Each support agency is responsible for managing its respective assets and resources after receiving direction from the primary agency.

The ESF 11 Coordinator should consult with the Poweshiek County Conservation Department if disaster response or recovery activities are taking place on Poweshiek County Conservation land, to ensure protection of possible habitats of threatened or endangered species.

Local Response

Local responses under ESF 11 generally fall into two types of responses:

1. Events that start under local control and build to a level requiring Poweshiek County EMA assistance, most likely a natural disaster that would or may fall under the Stafford Act.
2. Events that are initiated by state/federal organizations due to a disease/pest that will require support from agencies within Poweshiek County (most likely not associated with a natural disaster and it would be considered a non-Stafford Act event). These events will likely not be covered by the Stafford Act and cost reimbursement procedures will be significantly different than other responses.

There are four action levels associated with the implementation of this ESF (depicted in the table below). Level I is the most serious (highest priority).

Level	Trigger	Primary Goal
I	A confirmed positive case from a National Veterinary Services Laboratory for a case in Iowa, accompanied by at least one or more additional presumptive or confirmed positive case(s) at a non-contiguous site (or sites) within Iowa. The number of additional non-contiguous infected sites needed to trigger this action level will vary depending on	To obtain needed resources and other forms of assistance from other states and/or from the federal government when needed to continue the quick and efficient eradication of all instances of high-risk infectious animal disease in Iowa, once state and local means to do so have become inadequate.

	the disease. For example, for Foot-and-Mouth Disease, one additional site would generally be sufficient.	This will be accomplished by using these additional resources to support and augment the continued execution of Level IV, Level III, and Level II activities.
II	A confirmed positive case from a National Veterinary Services laboratory for a case in Iowa. This is for the first case in Iowa. At the discretion of the State Veterinarian, this level of action may potentially be triggered by a presumptive positive result in Iowa if other cases exist in the state, or if cases are verified in another state with confirmed trace-outs to Iowa and/or with high commerce in susceptible animals with Iowa and/or having a shared border with Iowa.	To quickly and efficiently eradicate all instances of high-risk infectious animal disease in Iowa. This goal will be accomplished by continuing to carry out appropriate Level IV and Level III activities as well as by effecting the humane euthanization of infected and potentially infected animals and disposing of their carcasses in an environmentally sound manner.
III	A presumptive positive case of a high-risk infectious animal disease received from a National Veterinary Services Laboratory for a case in Iowa. This is for the first case in Iowa. For subsequent cases in Iowa, a presumptive positive case may trigger a higher action level, at the discretion of the State Veterinarian.	To contain a presumptive positive case of a high-risk infectious animal disease detected in Iowa (first case in the state) until either a positive or negative confirmation of the presence of the disease has been obtained from the appropriate authority. This goal will be accomplished by continuing to carry out appropriate Level IV activities, as well as by establishing intrastate movement controls, quarantines, and bio-security measures.
IV	A confirmed positive case from one of the National Veterinary Services Laboratories in Ames, Iowa or Plum Island, New York for a case of a high-risk infectious animal disease in the U.S., Canada, or Mexico, with no presumptive or confirmed cases identified within Iowa. -OR- A presumptive positive case of a high-risk infectious animal disease received from a National Veterinary Services Laboratory for a state with confirmed trace-outs to Iowa, and/or with high commerce in susceptible animals with Iowa, and/or having a shared border with Iowa, with no presumptive or confirmed cases identified within Iowa.	To prevent a high-risk infectious animal disease that has been detected in the U.S., Canada, or Mexico from entering Iowa's borders. This goal will be accomplished through heightened surveillance, animal contact tracing, communication with affected states, the establishment and enforcement of border protocols, and related actions described in this plan or directed by the State Veterinarian.

State/Regional Response

In the event of an outbreak of a highly infectious/contagious or economically devastating animal/zoonotic disease:

- The State Veterinarian serves as the principal point of contact. (May be represented by the U.S. Department of Agriculture - Animal and Plant Health Inspection Service Veterinary Services Area Veterinarian in Charge in Iowa).
- The State Veterinarian has the authority to quarantine animals and animal products, and the Governor has the authority to control the movement of people and vehicle during disasters. These officials will work cooperatively during an incident to prevent the further spread of disease through implementation of movement controls.

- The emergency management agencies will activate the State, regional, county, or local emergency operations centers as needed, as the State's base of operations for interfacing with local governments, State agencies, and the private sector.
- The State Veterinarian and Area Veterinarian in Charge will establish a Joint Command within the State Emergency Operations Center which serves as the focal point for coordinating the disease management decision process.
- The State Emergency Operations Center will be staffed by Iowa Department of Agriculture and Land Stewardship and U.S. Department of Agriculture personnel and supplemented by other state agencies as required.
- Iowa Homeland Security and Emergency Management will provide communications support. The U.S. Department of Agriculture and the Iowa State University Extension Service will provide diagnostic technical expertise, as required including point detection capability.
- In assisting with disease response, Poweshiek County activates its Emergency Operations Center to provide a local base of operations. A county emergency declaration may be needed to initiate county response activities. The Iowa Veterinary Rapid Response Teams will assist in any animal disease emergency

In the event of an outbreak of a highly infective exotic plant disease or economically devastating plant pest infestation:

- The State Entomologist of the Iowa Department of Agriculture and Land Stewardship is the principal point of contact with the U.S. Department of Agriculture, Animal and Plant Health Inspection Service - Plant Protection and Quarantine.
- The emergency management agencies will activate the State, regional, county, or local emergency operations centers as needed, as the State's base of operations for interfacing with local governments, State agencies, and the private sector
- The State Entomologist will establish a Joint Command within the Emergency Operations Center that serves as the focal point for coordinating the disease or pest management decision-making process.
- Regardless of the nature of the disease or pest emergency, the Emergency Operations Center may establish a Joint Information Center that functions as the principal source of information about the disease outbreak or pest infestation response in the State.
- The State Joint Information Center coordinates closely with Federal officials to ensure consistency in the information released to the communications media and the public.
- In assisting with disease response, Poweshiek County activates its Emergency Operations Center to provide a local base of operations. A county emergency declaration may be needed to initiate county response activities. The State Agriculture Response Teams will assist in any agricultural emergency.

In the event of a food safety emergency, the Iowa Department of Agriculture and Land

Stewardship will be the primary point of contact with the U.S. Department of Agriculture and the Food and Drug Administration.

In the event of a food safety emergency that pertains to a facility licensed by the Iowa Department of Agriculture Meat and Poultry Bureau, the State Meat Inspection Director will be the primary point of contact with the U.S. Department of Agriculture and the FDA.

Federal Response

In a disaster or catastrophic incident, federal agencies are authorized through a Presidential Declaration to provide state and local governments with equipment, facilities, personnel and supplies essential for emergency assistance to disaster victims.

With an outbreak of a highly infectious/contagious or economically devastating animal disease, highly infective exotic plant disease, or economically devastating plant pest infestation federal agencies are authorized through an extraordinary declaration of emergency by the U.S. Secretary of Agriculture to provide state and local governments with assistance to eradicate such diseases or pests.

The Iowa Area Veterinarian-in-Charge will coordinate activities of the United States Department of Agriculture-Animal and Plant Health Inspection Service-Veterinary Services.

Acts of terrorism may be directed to the nation's food supply, livestock herds, or poultry flocks either as the target or as a vehicle for weapons of mass destruction. Acts of terrorism are a federal crime and response to such an event is described in ESF 13- Public Safety.

Roles and Responsibilities

Federal

Area Veterinarian in Charge is responsible for:

- Establishing Unified Command in collaboration with the State Veterinarian and coordinates the U.S. Department of Agriculture response at the federal level.
- Acting as the liaison between the State and Federal efforts and oversees the roles and responsibilities of federal employees under the Unified Command System.

State

The State Veterinarian works in cooperation with the Secretary of Agriculture to make animal health and response decisions in an infectious animal disease outbreak. The State Veterinarian is responsible for:

- Coordinating with the State Emergency Operations Center to assure appropriate and timely coordination of state resources.

- Coordinating with County Emergency Management Coordinators to allocate resources and guide response efforts.
- Communicating with licensed Veterinarians in the state using the Iowa Rapid Veterinary Information Network.

The Iowa Department of Agriculture and Land Stewardship employs 6 district veterinarians. State District Veterinarians are responsible for:

- Administering state and cooperative state-federal animal health programs
- Acting as a designated official of the State Veterinarian when conducting investigations or initiating quarantine or providing veterinary resources to the local level.

Veterinary Rapid Response Teams are deployed by IDALS. These teams will:

- Train and equip to respond to infectious animal disease outbreaks
- Work directly for the State Veterinarian/Secretary of Agriculture

Local

Emergency Management Coordinators will coordinate all community resources required to respond and support the incident including:

- All declarations, resource management issues, volunteers, and assessments
- Activating and staffing the County EOC
- Serve as the conduit to other county resources through IMAC and to the respective state and federal resources through the SEOC.
- Coordinate local, state, and federal information for the incident
- Coordinate with agencies and organizations responsible for sheltering needs.

The following entities are involved in the surveillance, euthanasia, carcass disposal, quarantine, and cleaning/disinfection:

Surveillance	State (Primary)	City/county (support)
Animal Disease Surveillance	Department of Agriculture and Land Stewardship Iowa Veterinary Rapid Response Team	County Emergency Management Agency

Euthanasia	State (Primary)	City/county (Support)
Animal Euthanasia	Department of Agriculture and Land Stewardship Iowa Veterinary Rapid Response Team	County Emergency Management Agency
Security for Euthanasia Personnel	Department of Public Safety	County Sheriff's Office Local Law Enforcement
Resource Identification (identifying livestock chutes or other equipment.)	Homeland Security and Emergency Management Division State Emergency Operations Center	County Emergency Management Agency
Mental Health Support- Critical Incident Stress Management for responders and those impacted	County Community Service	County Mental Health Providers
Carcass Disposal	State (Primary)	City/county (Support)
Designating the type of carcass disposal acceptable depending upon disease characteristics	State Veterinarian	County Emergency Management Agency

Directing the disposal of carcasses	Department of Natural Resources	County Emergency Management Agency
Supporting the disposal effort by locating and contracting with heavy equipment/operators	Homeland Security and Emergency Management Agency State Emergency Operations Center Department of Transportation	County Emergency Management Agency County Engineer's Office Local Public Works
Providing security for disposal personnel	Department of Public Safety	County Sheriff's Office Local Law Enforcement
Identifying additional resources needed for disposal	Homeland Security and Emergency Management Agency State Emergency Operations Center	County Emergency Management Agency
Quarantine	State (Primary)	City/county (support)
Designing Quarantine Zone size	State Veterinarian	County Emergency Management Agency County Environmental Health
Establishing and enforcing of quarantine zones	Department of Public Safety	Local Law Enforcement
Permitting specific types of movement within the quarantine zone	State Veterinarian	County Emergency Management Agency County Environmental Health

Cleaning and Disinfection	State (Primary)	City/county (Support)
Designing appropriate cleaning materials and solutions depending upon the disease	State Veterinarian	County Public Health County Environmental Health County Emergency Management Agency
Developing decontamination stations	Iowa National Guard Iowa Veterinary Rapid Response Team	County Emergency Management Agency Local Fire Departments Local Hazardous Materials Teams Regional Hazmat Teams County Environmental Health County Public Health

ESF Coordinator(s)

Each coordinator has ongoing responsibilities throughout the preparedness, response, recovery, and mitigation phase of an incident. Responsibilities include:

- Pre-incident planning and coordination
- Maintaining ongoing contact with primary and support agencies
- Conducting periodic meetings and conferences
- Coordinating efforts with corresponding private sector organizations
- Coordinating activities relating to catastrophic incident planning and critical infrastructure preparedness as appropriate.

Primary Agencies

When activated in response to an incident, the primary agencies are responsible for:

- Conducting response operations within their functional area for an affected area.
- Providing staff for the operations functions at fixed and field facilities.
- Notifying and requesting assistance from support agencies.
- Managing mission assignments and coordinating with support agencies, as well as appropriate local jurisdictions.
- Working with appropriate private-sector organizations to maximize use of all available resources.
- Supporting and keeping all organizational elements informed of operational priorities and activities.
- Procuring goods and services as needed.
- Ensuring financial and property accountability for activities.

- Planning for short-term and long-term incident management and recovery operations.
- Maintaining trained personnel to support interagency emergency response and support teams.

Support Agencies

When activated in response to an event, threat, or incident, support agencies are responsible for:

- Conducting support operations using their own authorities, subject matter experts, capabilities, or resources.
- Participating in planning for short-term and long-term incident management and recovery operations.
- Assisting in the conduct of situational assessments.
- Furnishing available personnel, equipment, or other resource support as requested by the primary agency.
- Providing information or intelligence regarding their agency's area of expertise.

Organizational Structure

The National Incident Management and Incident Command System will be utilized during incidents. The size and magnitude of the incident will dictate if an Emergency Operations Center (EOC) is opened and staffed. The following personnel have the authority to request the EOC to be activated:

- Emergency Management Coordinator/designee
- Senior elected official/designee
- Incident Commander

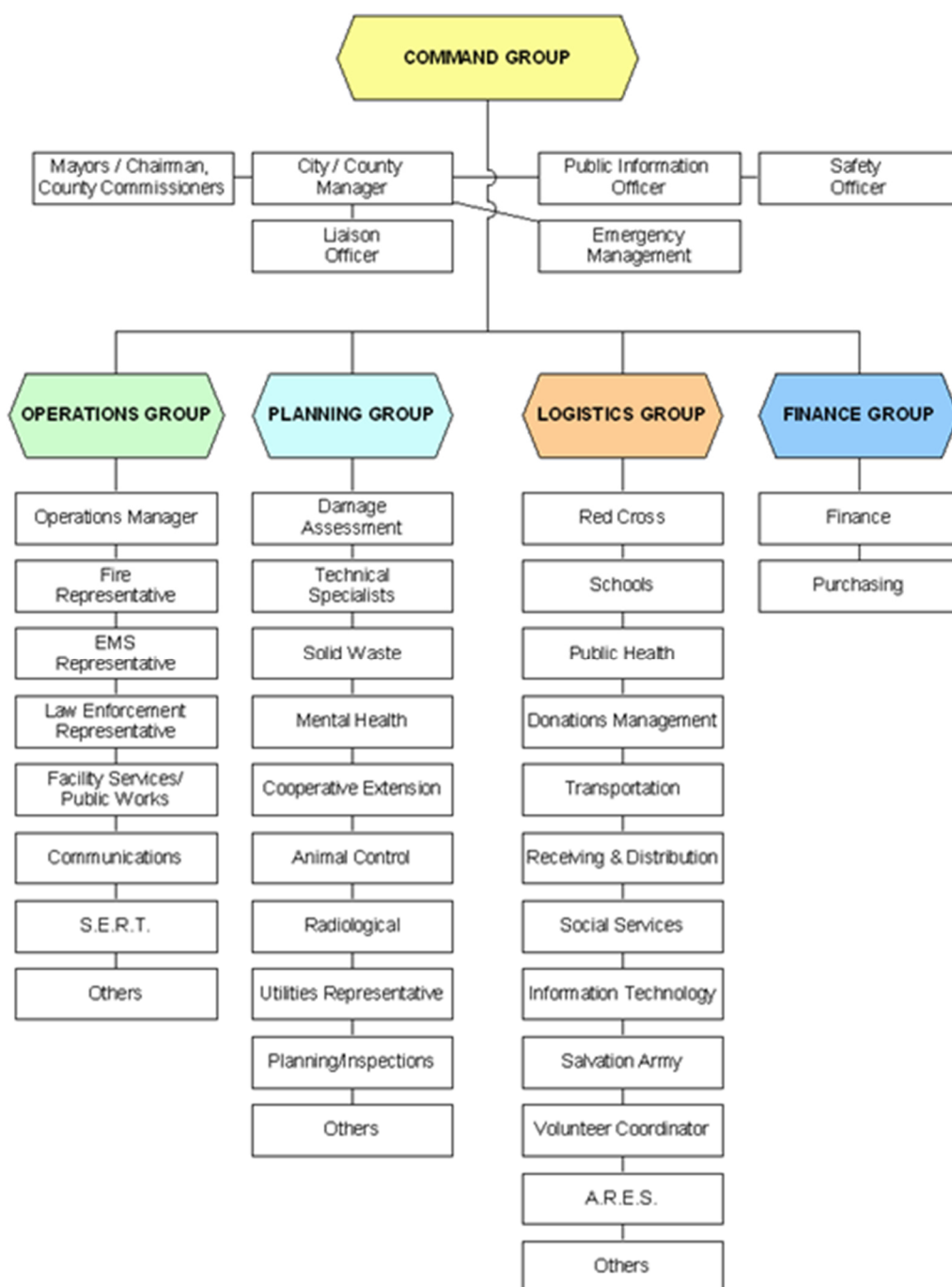
Poweshiek County has two (2) identified Emergency Operations Centers. Each are capable of providing 24-hour sustainability. The determination of which EOC will be activated will be up to the Incident Commander and Emergency Management. These positions will confer with one another to make the decision to use the EOC that will best serve the needs and location of the incident.

Poweshiek County Public Safety Building
4802 Barnes City Rd
Montezuma, IA 50171

Grinnell Public Safety Building
1020 Spring St
Grinnell, IA 50112

An effective span of control is maintained by consolidating agencies with specific functions and responsibilities into groups with an internal management structure. Each branch is consolidated in the EOC during activation to insure coordination among the various organizations. An example of a typical incident organization structure is below.

Additional information on the EOC an EOC Activation and functionality can be found in **EOC Annex Plan**.



Primary Agency Functions

Agency	Function
Iowa Department of Agriculture and Land Stewardship (IDALS)	• Mandates a quarantine, stop sale, stop movement and otherwise restrict animals, plants, equipment, and products as necessary to control and eradicate diseases and pests. • Manages and directs evacuation of animals from risk areas and provides technical assistance to prevent animal injury and disease dissemination. • Responsible for carcass disposal and providing burial maps generated of the entire state indicating areas where burial is acceptable. • Provides staff at infected premises identifying acceptable burial sites. • Oversees the de-population, disposal, and decontamination of animals and plants. • Collects samples and ensures proper packing, handling, and delivery to designated laboratories for testing. • Assists law enforcement officials in criminal investigations, if a terrorist act is suspected. • Coordinates local emergency response teams with the State Agricultural Response Teams. • Coordinates Veterinary Medical Assistance Team assistance and takes reasonable measures to provide veterinary treatment and humane care of animals. • Coordinates response with the Iowa Department of Public Health on animal and plant issues that may impact public health. • Coordinates damage assessment with regional coordinator. • Coordinates with ESF 15 – Public Information for Public Service Announcements.
Iowa Department of Natural Resources (IDNR)	• Provides environmental manpower and technical assistance (e.g., air monitoring) and information in the event temporary interment is necessary and/or human remains are contaminated. • Provides technical assistance and environmental information for the assessment of hazardous materials.
State Historical Society of Iowa	• Identifies records, collects, preserves, manages, and provides access to Iowa's historical resources. • Conducts and stimulates research, disseminates information, encourages and supports historical preservation and education efforts of others throughout the state. • Coordinates with the Iowa Department of Agriculture and Land Stewardship and the Iowa Department of Natural Resources for the resources necessary to respond to the incident.

Poweshiek County Emergency Management Agency	• Ensures the Comprehensive Emergency Operations Plan (also known as the “Basic Plan”) is implemented. • Coordinates with the Incident Commander to provide emergency response agencies needed for emergency operations. • Briefs local, State and Federal officials as to the situation. • Coordinates with the Iowa Department of Agriculture and Land Stewardship and the Iowa Department of Natural Resources for the resources necessary to respond to the incident.
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Support Agency Functions

Support agency representatives will provide technical expertise, personnel, teams and equipment in support of an emergency. Personnel assigned in support of the incident will maintain close coordination with Incident Command Post representative.

Note: Support agencies are not listed in order of priority. They are all in support of the primary agency

Agency	Function
Environmental Health/Sanitation	• Determines which foods are fit for human consumption and identifies potential problems associated contaminated foods in cooperation with the Iowa Department of Public Health. • Assists with community outreach and education. • Supports the Public Health Agencies if appropriate.
Poweshiek County Public Health	• Becomes involved in impact assessments on local citizens and suggestions of protective actions if the disease has caused illness in humans. • Assists with community outreach and education. • Coordinates and Liaisons with the Iowa Department of Public Health. • Provides health education in the areas of food preparation and storage. • Provides human health-related information, including surveillance for food borne disease and occupational safety and health issues.
Poweshiek Animal League Services	• Assists shelter sites with pets. • Maintains list of pet friendly motels, kennels, and resources to assist pet owners or care for their animals. • Assists farmers with rescue or evacuation and care of livestock. • Coordinates with any livestock or producer organizations which may also provide assistance.
Emergency Medical Services	• Coordinates the on-scene emergency medical care, transportation, and hospital treatment for victims. • Provides emergency medical care and transportation. • Provides emergency medical assistance for responders and volunteers.

Local Fire Department	• Provides coordination of decontamination stations for vehicles, property, and personnel using protocols from the State Veterinarian's Office or from the State Emergency Operations Center. • Aides in rescue situations and provides assistance as needed and if available. • Makes recommendations regarding operation activities. • Primary responsibility for Fire and hazmat scenes
Local Law Enforcement	• In coordination with the Iowa Department of Agriculture and Land Stewardship and the Poweshiek County Sheriff's Office may provide: • Enforcement of movement restrictions and establishing perimeters. • Site Security and Conflict Resolution. • Investigation Assistance. • Provides the Emergency Operations Center, Command Post, and Incident Commander with the communications link. • Provides traffic and crowd control as required
County Engineer/Secondary Roads Public Works	• Coordinates Perimeter Identification and Management. • Assists with establishing perimeters through coordination of signage and barricades. • Assists with animal carcass disposal. • Provides a list of equipment that could be used for carcass disposal. • Provides technical assistance, additional staff, and equipment if available.
State Support	Function
Iowa Department of Public Health IDPH	• Leads all State response to public health emergencies and incidents. • Assumes operational control of relevant State emergency response assets, as necessary, in the event of a public health emergency and provides assistance to County Public Health Departments. • Determines which foods are fit for human consumption and identifies potential problems associated with contaminated foods. • Provides health education in the areas of food preparation and storage. • Provides laboratory and diagnostic support, subject-matter expertise, and technical assistance as well as field investigators to assist in product tracing, inspection and monitoring, and interdiction activities. • Provides human health-related information, including surveillance for food borne disease and occupational safety and health issues. • Coordinates national preparedness, response, and recovery actions through the Iowa Homeland Security Emergency Management
Iowa Homeland Security and Emergency Management	• Responsible for the overall emergency coordination of state assistance if a multiple state agency response is required. • Maintains situational awareness and the Common Operating Picture. • Provides logistical support for deploying elements required. • Coordinates the use of mobilization centers/staging areas, transportation of resources, use of disaster fuel contracts, emergency meals, potable water, base camp services, supply and equipment

	resupply, and use of all State contracts and interagency agreements managed by the Iowa Homeland Security for response operations. Assists in arranging transportation to support operations.
Iowa State University-College of Veterinary Medicine	- Provides expertise and technical assistance on animal disease - The Veterinary Diagnostic Lab: - Provides comprehensive and diagnostic services to veterinarians, producers, and animal owners in Iowa and nationally. - Is responsible for delivering accessible, timely, accurate, valid, and consistent test results to aid in the protection of animal and human health. - Provides a wide range of surveillance testing for early detection and identification of foreign animal and emerging domestic disease agents, as well as acts of bioterrorism directed at human and livestock populations and agricultural food supplies. - Provides educational opportunities to professional and graduate students, as well as local, national, and international scientists, diagnosticians and practitioners.
Federal Support	Function
Department of Agriculture USDA	Farm Service Agency: - Provides assistance for natural disaster losses, resulting from drought, flood, fire, freeze, tornadoes, pest infestation, and other calamities. - Makes direct and guaranteed farm ownership and operating loans to family-size farmers and ranchers who cannot obtain commercial credit from a bank, Farm Credit System institution, or other lender. - Loans can be used to purchase land, livestock, equipment, feed, seed, and supplies or can also be used to construct buildings or make farm improvements Nutrition Services: - Determines the availability of U.S. Department of Agriculture foods, including raw agricultural commodities (e.g., wheat, corn, oats, and rice) that could be used for human consumption and assesses damage to food supplies. - Coordinates with State, tribal, and local officials to determine the nutrition needs of the population in the affected areas. - At the discretion of the Administrator and upon request by the State, approves emergency issuance of food stamp benefits to qualifying households within the affected area. - At the discretion of the Administrator makes emergency food supplies available to households for take-home consumption in lieu of providing food stamp benefits for qualifying households. - Works with State and voluntary agencies to develop a plan of operation that ensures timely distribution of food in good condition to the proper location, once need has been determined. Animal and Plant Health Inspection Service-Veterinary Service:

	• Detects animal disease anomalies and pests, and assigns Foreign Animal Disease Diagnosticians to conduct investigations. • After diagnosis of disease, circulates warning notice to appropriate Federal and State officials in order to facilitate a timely and efficient response. • Coordinates tasks with other ESFs, Veterinary Medical Assistance Teams (VMATs), existing State veterinary emergency response teams, and voluntary animal care organizations to respond. • Coordinates zoonotic disease surveillance activities • Assists with the clean-up of swine carcasses on both public and private land. • May utilized its National Veterinary Stockpile and may execute existing contracts with companies that specialize in depopulation, disposal, and decontamination services. Animal and Plant Health Inspection Service-Plant Protection and Quarantine: • In the event of an outbreak of an economically devastating plant pest or disease, the grower and/or the State land grant university diagnostic laboratory or State Department of Agriculture diagnostic laboratory notifies the State Plant Regulatory Official and the Federal State Plant Health Director. • The Director then notifies the Plant Protection and Quarantine program’s regional and headquarters offices. • Prior to initiation of an emergency response, the suspect specimen must be confirmed by a specialist recognized as an authority by the Plant Protection and Quarantine program’s National Identification Services unit. • Once confirmed as a plant pest of significant economic consequence, the appropriate Plant Protection and Quarantine Regional Director and the Assistant Deputy Administrator for Emergency and Domestic Programs notify the State Plant Regulatory Official and the State Plant Health Director in the State of origin. • The Plant Protection and Quarantine program then notifies the National Plant Board of the confirmation, and all trading partners are informed. Animal and Plant Health Inspection Service- Animal Care: • Provides technical expertise regarding the safety and wellbeing of household pets. • Coordinates with ESF 6 on mass evacuation and ESF 11 on sheltering of household pets Coordinates with ESF 11 on medical care for household pets. • Coordinates with FEMA on transportation for household pets. • Coordinates with ESF 9 on search and rescue operations for household pets. • Coordinates with ESF 14 to ensure continued assistance is provided for household pets during long-term community recovery.
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	Animal and Plant Inspection Service-Center for Animal Health Information and Analysis: - Keeps key agency and industry decision makers and interested members of the public informed regarding animal health issues that may impact the United States. Formerly known as the Center for Emerging Issues. - Organizes into three teams: - Global Intelligence and Forecasting Team focuses on improving global animal health through all-source intelligence and communication. - The Risk Analysis Team identifies and develops epidemiologic and economic methods to estimate risks. - The Spatial Epidemiology Team provides expertise in the use of geospatial methods to enhance animal health. Animal and Plant Health Inspection Service- National Animal Health Monitoring System: - Collects, analyzes, and disseminates data on animal health, management, and productivity across the United States. - Conducts national studies on the health and health management of United States domestic livestock populations Animal and Plant Health Inspection Service-National Surveillance Unit: - Serves as the coordinating entity for activities related to U.S. animal health surveillance. - Develops and enhances animal health surveillance through evaluation, design, analysis, prioritization, and integration. - Focuses on: - Coordination and integration of surveillance information - Surveillance planning and design. - Data analysis and dissemination of results. - Evaluation of surveillance programs. - Prioritizing surveillance activities.
Department of Health and Human Services	- Determines which foods are fit for human consumption and identifies potential problems associated with contaminated foods. - Provides health education in the areas of food preparation and storage. - Provides laboratory and diagnostic support, subject-matter expertise, and technical assistance as well as field investigators to assist in product tracing, inspection and monitoring, and interdiction activities. - Provides human health-related information, including surveillance for food borne disease and occupational safety and health issues. - Provides veterinary public health and clinical subject matter expertise support through the U.S. Public Health Service Commissioned Corps veterinary teams and epidemiologists to address: - Environmental public health - Toxicology - Bite/scratch injuries from animals

	• Zoonotic disease hazards • Conducts veterinary/animal emergency needs assessments. • Responds to occupational safety and health issues associated with animal response. • Helps implement rabies quarantines, etc. • Assists in delivering animal health care to injured or abandoned animals and performing veterinary preventive medicine activities, including the conducting of field investigations and the provision of technical assistance and consultation as required.
Other	Function
Volunteer Organizations Active in Disaster	• Ensures all volunteers are registered and tracked, have appropriate management and safety concerns addressed, and any equipment used is also documented. • Facilitates and encourages collaboration, communication, cooperation, coordination and build relationships among organizations and agencies to prepare for emergencies. • Provides guidance in client information-sharing, spiritual and emotional care, and long-term recovery as needed. • Provides canteen services for responders and support personnel. • Assists with Emergency Operation Center staffing or assisting other agencies with secretarial or staffing.

ESF Development, Testing, and Maintenance

Refer to the Poweshiek County Base Plan for ESF Development, Testing, and Maintenance guidance.