

Emergency Support Function (ESF) #11 Agriculture and Natural Resources

Primary Agency/ESF Coordinator

City of Rolla Emergency Management Agency

Support Agencies:

Phelps County Health Department
City of Rolla Parks and Recreation
City of Rolla Police Department
City of Rolla Fire & Rescue Department
City of Rolla Public Works Department
Area Veterinarian in Charge (AVIC)
Phelps County Extension Office

Non-Governmental Organizations

Local Veterinarians
Humane Society

I. PURPOSE

Emergency Support Function (ESF) #11 Agriculture and Natural Resources coordinates a variety of functions designed to protect the food supply, respond to plant and animal pest and disease outbreaks, and protect natural and cultural resources.

II. SCOPE

The City of Rolla Emergency Management Agency coordinates multiple departments to address ESF #11 functions that include, but are not limited to:

- Nutrition assistance
- Response to animal/zoonotic disease, plant disease, or plant pest infestation
- Assurance of food safety and security
- Natural and cultural resources and historic properties protection
- Safety and well-being of household pets and service animals

III. SITUATION AND PLANNING ASSUMPTIONS

* _____ * County EOP

ESF #11-1

Month Year

A. Situation

1. The City of Rolla has the following types of animal populations in its jurisdiction:
 - a. Cattle
 - b. Swine
 - c. Turkeys
 - d. Horses
 - e. Laboratory animal research facilities
 - f. Animal shelters

2. The City of Rolla raises the following types of grain in its jurisdiction:
 - a. Corn
 - b. Wheat
 - c. Soybeans
 - d. Other

3. The City of Rolla has a number of natural and cultural resources and historical properties to include the following:
 - a. Museums
 - b. Libraries
 - c. Parks
 - d. Historic sites
 - e. Cemeteries

4. The City of Rolla has developed an Animal Emergency Preparedness Plan to address situations involving a foreign animal disease or other animal disease (FAD/AD) incident that supplements the City EOP.

5. The City of Rolla has a trailer stocked with animal response equipment.

B. Planning Assumptions

1. A major disaster may exhaust normal food supplies, disrupt the normal food supply chain, and/or result in contaminated food supplies.

2. Foreign animal disease may cause enormous economic damage and hinder the ability to feed the population, as well as be a zoonotic disease that could threaten human life.

3. Following a major emergency, the preservation of natural and cultural resources and historic properties will be considered by local officials.

4. State and Federal resources in support of ESF #11 will respond when

called upon, but their ability to react quickly may be limited.

IV. CONCEPT OF OPERATIONS

A. **General**

1. Nutrition Assistance: A major disaster may create food shortages due to the destruction or disruption of commercial food supplies creating the need for nutritional assistance. To alleviate critical food shortages, ESF #11 in coordination with ESF #6 may consider the provision of congregate meal services and/or food supplies for household use.
2. Animal/zoonotic disease outbreak, plant disease, or plant pest infestation:
 - a. Private veterinary practitioners will likely be the first responders to any Foreign Animal Disease or other animal disease (FAD/AD) event. A local veterinarian is required to immediately notify the Area Veterinarian in Charge (AVIC) of a suspected FAD/AD.
 - b. Suspected or positive detection of a FAD/AD will prompt State and/or federal officials to employ additional precautions to prevent or mitigate the possibility of spreading the disease. Measures may include a "Stop Movement Order" by the State Veterinarian as an immediate action to prevent spreading the disease or allowing it to enter Missouri borders.
 - c. Animal and plant disease and pest responses will be conducted in collaboration and cooperation with the Missouri Department of Agriculture and private industries to ensure continued human nutrition and animal, plant, and environmental security.
 - d. ESF #11 will coordinate with ESF #8 on animal/veterinary/wildlife issues and the potential spread of disease.
 - e. In response to a bio-hazardous event, decontaminate or destroy animals and plants, as well as associated facilities (e.g., barns, processing equipment, soil, and feeding and growing areas) as required.
3. Assurance of food safety and security: ESF #8 in coordination with ESF #11 will take measures to ensure the safety of the community food supply, including food borne disease surveillance and the disposal of contaminated food.
4. Natural and cultural resources and historic properties protection: Some emergency events will require the protection and restoration of natural, cultural, and historical resources. Environmental issues affecting natural resources may be created by contaminated runoff and/or direct damage to soil, water, and plant resources. There are several parks and historical sites in the City of Rolla that will be considered in emergency response and recovery efforts. ESFs #3 and #10 will assist with the removal of debris affecting any natural and/or cultural and historic resources

5. Safety and well-being of household pets and service animals: ESF #11 supports the EOC together with ESFs #6, #8, and #9 to ensure an integrated response that provides for the safety and well-being of household pets and service animals during natural disasters and other emergency situations resulting in human evacuation and sheltering efforts. ESF #11 will coordinate with the local Humane Society to assist with household pets and service animals affected by the disaster.

B. Organization

1. The City of Rolla Emergency Operations Center (EOC) will serve as the central location for interagency coordination and executive decision-making, including all activities associated with ESF #11.
2. The complexity of the ESF #11 function requires that the City of Rolla Emergency Management Agency coordinates with several agencies assigned Primary Agency roles. The type of event will determine which agency will serve as the Primary Agency. Based on the technical expertise required, one of the following agencies will fill the Primary Agency role based on the emergency event:
 - a. Nutrition assistance – Phelps County Health Department and ESF #6
 - b. Animal/zoonotic Disease Outbreak – State Area Veterinarian in Charge and Phelps County Health Department
 - c. Food Safety and Security –Phelps County Health Department
 - d. Natural, Cultural, Historic Resources Protection –City of Rolla Parks and Recreation
 - e. Safety and well-being of household pets and service animals – City of Rolla Emergency Management Agency
3. The appropriate Primary Agency will be responsible for working with the Support Agencies, NGOs, and when necessary, City, County, State and Federal Agencies to establish an organization to ensure the accomplishment of activities associated with ESF #11.

C. Actions by Operational Timeframe

1. Preparedness

- a. Develop standard operating guides and checklists to support ESF #11 activities.
- b. Identify pet boarding facilities and private organizations that may provide emergency shelters for animals.

- c. Identify sources to augment emergency food and water supplies.
- d. Identify local agribusiness operators with equipment and personnel to assist with animal stop movement and quarantine activities.
- e. Develop mutual aid agreements with government agencies, professional associations, and private agencies and organizations with personnel and equipment to support ESF #11 activities.
- f. Conduct and participate in training to support the implementation of ESF #11.
- g. Develop and/or review procedures for crisis augmentation of personnel.
- h. Participate in and/or conduct drills and exercises.

2. Response

- a. Support the disaster response and recovery with all available resources.
- b. Provide assistance to established pet shelters.
- c. Restrict movement, detain, or move animals, equipment, products, and personnel as necessary to control and eradicate animal or plant disease.
- d. Manage and direct evacuation of animals from risk areas and provide technical assistance to prevent animal injury and the spread of disease.
- e. Provide and/or receive appropriate mutual aid.
- f. Secure supplies, equipment, personnel, and technical assistance from support agencies, organizations, and other resources to carry out the response plans associated with animal health or any act of agro-terrorism.

3. Recovery

- a. Continue to support disaster operations as needed.
- b. Restore equipment and restock supplies to a normal state of readiness.
- c. Participate in after action reports and meetings.
- d. Make changes to plans and procedures based on lessons learned.
- e. As permitted by the situation, return operations to normal.

4. Mitigation

- a. Provide surveillance for a foreign animal disease or an animal borne poison or toxin that may pose a threat to the animal industries, the economy, or public health.
- b. Provide for surveillance of plant pests of unknown or questionable origin that may pose a potential threat to agriculture, horticulture, the economy, or public health.

V. ROLES AND RESPONSIBILITIES

A. Primary Agencies/ESF Coordinator

City of Rolla Emergency Management Agency (ESF #11 Coordinator)

* _____ * County EOP

ESF #11-5

Month Year

1. Phelps County Health Department

- a. Determines nutritional assistance needs.
- b. Obtains appropriate food supplies.
- c. Coordinates veterinary services in affected areas.
- d. Coordinates with ESF #8 on animal/veterinary issues in disease situations and in other situations that develop during emergencies and natural disasters.
- e. Coordinates the response to a bio-hazardous event, the decontamination and/or destruction of animals and plants as well as associated facilities (e.g., barns, processing equipment, soil, and feeding and growing areas) may be required. Activities are conducted within agency capabilities.
- f. Conducts food-borne disease surveillance.
- g. Coordinates disposal of contaminated food products.
- h. Provides inspectors and laboratory services to affected areas.
- i. Ensures an integrated response that provides for the safety and well-being of household pets during natural disasters and other emergency events resulting in mass displacement of civilian populations.
- j. Provides technical support and subject-matter expertise regarding the safety and well-being of household pets.
- k. Conducts critical needs assessments for household pets.
- l. Expedites requests for resources to assist in evacuating and sheltering household pets.
- m. Ensures that all identified food is fit for human consumption.
- n. Provides information and recommendations to Unified Command for incidents involving an outbreak of a highly contagious animal/zoonotic disease or an outbreak of a harmful or economically significant plant pest or disease, either of which could require quarantine actions or impact intrastate/interstate commerce.
- o. Coordinates assignment of veterinary personnel to assist 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.
- p. Engages in surveillance of food safety/security-related illness, injury, and other consumer complaints.
- q. Coordinates with ESF #9 on search and rescue operations for household pets.
- r. Coordinates with ESF #14 to ensure continued assistance is provided for household pets during long-term community recovery.
- s. Purchases and pre-positions animal shelter materials in advance of emergency events.
- t. Provides health education in the areas of food preparation and storage.
- u. After diagnosis of disease, circulates warning notice to appropriate officials in order to facilitate a timely and efficient response.

2. City of Rolla Parks and Recreation

- a. Coordinates NCH resources identification and vulnerability assessments.
- b. Facilitates development and application of protection measures and strategies for NCH facilities.
- c. Manages, monitors, and assists in or conducts response and recovery actions to minimize damage to NCH resources.
- d. Coordinates with ESFs #3 Public Works and Engineering and #10 Oil and Hazardous Materials Response on the removal of debris affecting NCH resources.
- e. Provides updated NCH facility resource lists.
- f. Determines the critical needs and resources available to preserve, conserve, rehabilitate, recover, and restore NCH resources in consultation with local and private entities.
- g. Provides scientific/technical advice, information, and assistance to help prevent or minimize injury to NCH resources.
- h. Provides scientific/technical advice, information, and assistance for long-term recovery, restoration, preservation, protection, conservation, stabilization, or rehabilitation of NCH resources.
- i. Addresses long-term community recovery activities carried out under ESF #14 that involve NCH issues.

3. Area Veterinarian in Charge

- a. Provide a representative to the EOC to assist with ESF #11 activities.
- b. Work with the other members of the EOC team to set priorities and assign resources.
- c. Coordinate with the field to assess resource requirements.
- d. Maintain communications with the State Veterinarian.
- e. Provide direction and technical expertise to assist local government in the event of a FAD event.

4. ESF #6 Mass Care, Emergency Assistance, Temporary Housing & Human Services

- a. Arranges transportation for food supplies.
- b. Determines the critical needs of the affected population in terms of numbers of people, their location, and usable food preparation facilities for congregate feeding.
- c. Identifies and locates geographically available food resources, transportation, equipment, storage, and distribution facilities.
- d. Coordinates shipment of food to staging areas within the affected area.
- e. Implements the Disaster Food Stamp Program.
- f. Establishes logistical links with long-term congregate meal services.
- g. Contracts for transportation for household pets and service animals in advance of emergency events.

B. Support Agencies

1. City of Rolla Fire & Rescue Department

- a. Aid in decontamination operations such as cleaning and disinfecting vehicles, equipment and people that visit the exposed area(s).
- b. Provide assistance as needed with the burning of infected carcasses and materials.

2. City of Rolla Police Department

- a. Assist with stop movements, traffic control, and perimeter security as needed to support ESF #11 activities.
- b. Should the incident be ruled a deliberate disease introduction, law enforcement may be asked to aide in the investigation.
- c. Provide resources and personnel to support emergency ESF #11 operations.

3. City of Rolla Public Works Department

Provide needed assistance/equipment with the burning and/or burying of infected carcasses and materials when required.

4. County Extension Office

Provide personnel and resources to support animal and plant emergencies.

5. Local Veterinarians

- a. Provide personnel and equipment to assist in responding to a Foreign Animal Disease outbreak.
- b. Assist in providing shelters for companion animals.
- c. Notify the Missouri Department of Agriculture, State Veterinarian of any animals presenting suspicious symptoms.

6. Humane Society

- a. Coordinate the provision of safe shelters for companion animals displaced by the emergency.
- b. Notify the Missouri Department of Agriculture of any animals presenting suspicious symptoms.

VI. CONTINUITY OF GOVERNMENT

Lines of Succession for ESF #11 Agriculture and Natural Resources:

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ESF #11-8

Month Year

1. Director, City of Rolla Emergency Management Agency
- 2.
- 3.

Suggested Appendices

Appendix 1 –Phelps County Animal Emergency Preparedness Plan
Appendix 2 – Pet Shelter Locations