

# FOR COMMENT AND REVIEW ONLY

## EMERGENCY SUPPORT FUNCTION- 11- AGRICULTURE and NATURAL RESOURCES

### PRIMARY AGENCY

Kentucky Department of Agriculture  
Kentucky Department for Natural Resources

### SUPPORT AGENCIES

Kentucky Division of Emergency Management  
Kentucky National Guard  
Cabinet for Health and Family Services  
Kentucky Department for Environmental Protection  
Kentucky Department of Fish and Wildlife  
Kentucky Community Crisis Response Board  
Kentucky Transportation Cabinet  
University of Kentucky College of Agriculture – Cooperative Extension Service  
Office of the State Entomologist  
University of Kentucky Department of Plant Pathology  
Kentucky State Police  
Tourism, Arts and Heritage Cabinet – Kentucky Heritage Council  
County and State Fair Boards  
United States Department of Agriculture  
US Food and Drug Administration  
Department of Interior  
Agriculture Trade Associations  
VOAD and Volunteer Organizations

### PURPOSE

The purpose of ESF- 11 Agriculture and Natural Resources is to ensure a coordinated response to any incident, real or perceived, relating to the appearance of a communicable disease or condition within the Commonwealth of Kentucky's animal or plant population that could have a direct impact on productivity, exporting animal and plant products and public health. This ESF addresses coordination and response relative to a contamination emergency (CE) involving animals and also other animal disasters (AD) or animal disease emergency (ADE) requiring medical care for wild and domestic animals. This ESF also provides coordination for response to plant emergencies which can result from either contamination or disease.

ESF-11 is also responsible for the coordination of the protection of natural and cultural resources and historic properties (NCH) resources. This coordination includes appropriate response actions to preserve, conserve, rehabilitate, recover, and restore NCH resources. This includes providing post-event baseline assessments of damages and providing technical assistance and resources for assessing impacts of response

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and recovery activities to NCH resources. These efforts are coordinated by the Kentucky Department for Natural Resources (DNR).

## ASSUMPTIONS

- The Kentucky Department of Agriculture (KDA) Office of the State Veterinarian will be notified in the event of animal emergencies.
- The State Entomologist will be notified in the event of plant emergencies.
- Large-scale disasters will injure, kill and displace animals. These animals may be pets and service animals, livestock (including but not limited to cattle, sheep, poultry and horses), wildlife, zoo and aquatic animals.
- Response efforts could encompass the euthanasia of animals.
- Mental health-counseling for victims and responders may be required in agricultural response.
- Hazardous material releases pose a threat to animal and plant populations. Coordination for response to these releases is covered under ESF-10 in the KyEOP.
- An animal or plant disease or contaminant detected anywhere in the United States may put the country's entire agricultural community at risk.
- There is the potential for contamination, pathogens, and the threat of disease to be used for terrorism.
- Comprehensive vector and vermin control may be required on and around the site of positive detection.
- Plant and animal disease or contamination will require proper sanitary and disposal.
- Suspected infected facilities and transport vehicles will need to be cleaned and disinfected.
- Areas where suspected or confirmed cases originate will require special operational procedures and quarantine areas.
- Located within Kentucky are veterinary associations, humane societies, wildlife experts, industry representatives and animal care providers who can assist in the care of injured animals and the disposal of dead animals.
- Care of wildlife and domestic animals will be a joint governmental and non-governmental effort.

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- It is possible that response procedures under ESF-11 will extend across multiple state lines, requiring regional or national coordination.
- The United States Department of Agriculture (USDA) will be the lead federal agency for all non-terrorist agriculture events under ESF-11.
- The United States Department of Interior will be the lead federal agency for all non-terrorist natural resources events under ESF-11.
- The Federal Bureau of Investigation (FBI) will be the lead federal agency if the incident is the result of a terrorist event.

## DIRECTION AND CONTROL

- KDA is the Primary Agency for coordinating all aspects of state Agricultural response under this ESF.
- The DNR is the primary agency for the conservation, rehabilitation, recovery and restoration of natural, cultural, and historic properties prior to, during, and after a man-made or natural disaster. These efforts may require coordination with ESF-3 Public Works and Engineering and ESF-10 Oil and Hazardous Materials and with the Natural Resource Conservation Service of the USDA.
- The KDA and DNR will provide Emergency Coordinators and Alternates to the CEOC. These designees will represent the agencies in an emergency or disaster and provide operational support in the CEOC when requested.
- KDA will coordinate state response to plant emergencies with the State Entomologist.
- ESF-11 will be the primary functional area responsible for coordinating livestock sheltering and care during emergency events. Emergency sheltering of Household Pets and Service Animals (HPSA) will be addressed in a separate HPSA shelter support plan attached to the KyEOP.
- If federal support for an agricultural emergency is necessary, ESF-11 will coordinate federal support from agencies, such as (Animal Plant Health Inspection System) APHIS, USDA's Food Safety and Inspection Service (FSIS), Department of Health and Human Services Food and Drug Administration, Farm Service Agency (FSA).
- If an agricultural emergency results in the need for nutritional assistance, ESF-11 may coordinate with the Department for Public Health (DPH) in obtaining and arranging for the delivery of appropriate food supplies. KDA may also coordinate

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with USDA's Food and Nutrition Service for the authorization of disaster food stamps.

- In the event a disease is determined to be zoonotic (transferrable between animal and human populations), ESF-11 will manage the response to the animal threat and DPH will manage the response to the human threat.
- DPH and KDA will coordinate response actions for the animal and human response through their liaisons to the CEOC and through the DPH Department Operations Center.
- In the event of a Foreign Animal Disease (FAD), the on-scene Foreign Animal Disease Diagnostician will be the initial Incident Commander. Once the FAD is confirmed and a response under this ESF is started, a more qualified IC will be appointed if appropriate.
- If ESF-11 requests federal veterinary assistance, the USDA Area Veterinarian In Charge (AVIC) will join the state response as part of the unified command for the incident. The unified command will serve as the focal point for coordinating the disease management decision process. The KDA and USDA personnel in this unified command may be supplemented by personnel from other state agencies or entities including DPH and the University of Kentucky.
- Local requests for state support to respond to animal disease emergencies, contamination events or animal disasters will be directed to KyEM in the CEOC and coordinated with KDA.
- For any response initiated under ESF-1,1 if the response has the potential to be terrorist-related, KDA or DNR will request that KyEM contact state and federal law enforcement agencies including the Kentucky State Police and the Federal Bureau of Investigation (FBI) who would take over the lead responsibilities for the criminal investigation related to the incident. The FBI notification would be made to the FBI's Joint Terrorist Task Force, through the FBI field office in Louisville, Kentucky.
- Regardless of the nature of the disease or emergency event, the CEOC may establish a Commonwealth Joint Information Center (CJIC) that functions as the principal source of information. The CJIC will coordinate closely with local, state and federal officials involved in the response to ensure consistency in the information released to the communications media and to the public.

## CONCEPT OF OPERATIONS

### Phases of Management

#### Preparedness – General

- KDA and DNR will identify areas of concern that cannot be addressed sufficiently using State resources and develop mutual aid agreements, memoranda of understanding, memoranda of agreement, and private vendor contracts to provide services that supplement the Commonwealth's capability to respond.
- ESF-11 will take part in tests and exercises

#### Preparedness- Agricultural

- KDA and support agencies will develop and maintain Standard Operating Procedures (SOPs) for surveillance and response to include, but not be limited to the poultry, cattle, swine, dairy, equine, sheep, goats, and companion animal industries as well as wildlife, aquatic and exotic animals for emergencies and disasters.
- When drought conditions exist or are anticipated, a representative of KDA chairs the Agriculture and Natural Resources Team established under the Kentucky Drought Mitigation and Response Plan. The responsibilities for this Team include identifying potential impacts of drought conditions to agriculture and tracking their occurrence and intensity. Findings and recommendations of this Team are assimilated into the overall Drought Situation Report and are intended to assure effective response capabilities, as well as provide documentation for any emergency declaration.
- The Department of Plant Pathology at the University of Kentucky (UK) provides gratis plant diagnostic services to the Commonwealth, through samples submitted by county Extension agents and through direct submission of plant samples by citizens. Although not a formal, systematic surveillance for plant diseases, UK's plant diagnostic services allow UK's Department of Plant Pathology to remain up-to-date on plant diseases that are active and/or threatening to crops, landscapes, forests and woodlands, and other plants.
- The Department of Plant Pathology serves as Kentucky's representative agency to the National Plant Diagnostic Network (NPDN). The NPDN provides an avenue for the early detection of pests and pathogens through outreach and education, rapid and accurate diagnoses, timely reporting and the supporting of response through partnerships and coordinated diagnostic surge capacity.

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- UK's Department of Plant Pathology notifies the State Entomologist of cases when it has diagnosed, or has adequate reason to suspect, infectious plant diseases of regulatory significance.
- ESF-11 will assist ESF-6 Mass Care, Emergency Assistance, Housing, and Human Services in establishing criteria to be used in the selection of locations suitable for designation as shelter for companion and service animals displaced due to emergency events. ESF-11 will also work with the ESF-6 work group to assist in establishing training requirements for persons serving in animal capable shelters and identifying personnel who can provide veterinary and other health services for household pets, service animals and livestock residing in these shelters.
- KDA Office of the State Veterinarian and supporting agencies will maintain formal and informal surveillance of animal populations for suspect animal disease emergencies or contamination event outbreaks.
- Assist in the development of local plans to enhance surveillance and awareness to provide for early detection of animal health emergencies and agroterrorism.
- Support the conducting of training sessions and workshops to assist local communities and support agencies and organizations in learning about agricultural emergencies and agroterrorism.

## Preparedness –Natural Resources

- The DNR will coordinate with public natural, historic, and cultural properties to develop SOPs for disaster prevention, preparedness, response and recovery.
- The DNR along with the Kentucky Heritage Council of the Kentucky Tourism, Arts and Heritage Cabinet, develop an inventory of natural, historical and cultural resources that will be covered by this plan.

## Response-Agricultural

### Agricultural

- ESF- 11 will be activated when requested by the Kentucky Division of Emergency Management, State Emergency Operations Center (CEOC).
- For an animal disease emergency, ESF-11 will be activated at different levels based on the particular disease or contamination suspected during surveillance and the subsequent level of diagnosis (i.e., presumptive or confirmed). If surveillance indicates an animal disease emergency to be highly likely, the methodology to be followed is provided in the Standard Operating Procedures for ESF-11 document. In the event of a confirmed animal disease emergency,

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contamination event or animal disaster the State Veterinarian (SV) or federal AVIC will contact KyEM and the CEOC and appropriate ESF's will be activated.

The following is a general overview of the planned response to an ADE or CE:

A control area is defined.

Movement of animals into, from and within the control area will be restricted and possibly by permit only.

Movement of feed and other commodities into, from and within the control area will be restricted and reviewed by the SV.

Infected or contaminated livestock are evaluated and contained.

Infected or contaminated facilities and animal transports are cleaned and disinfected.

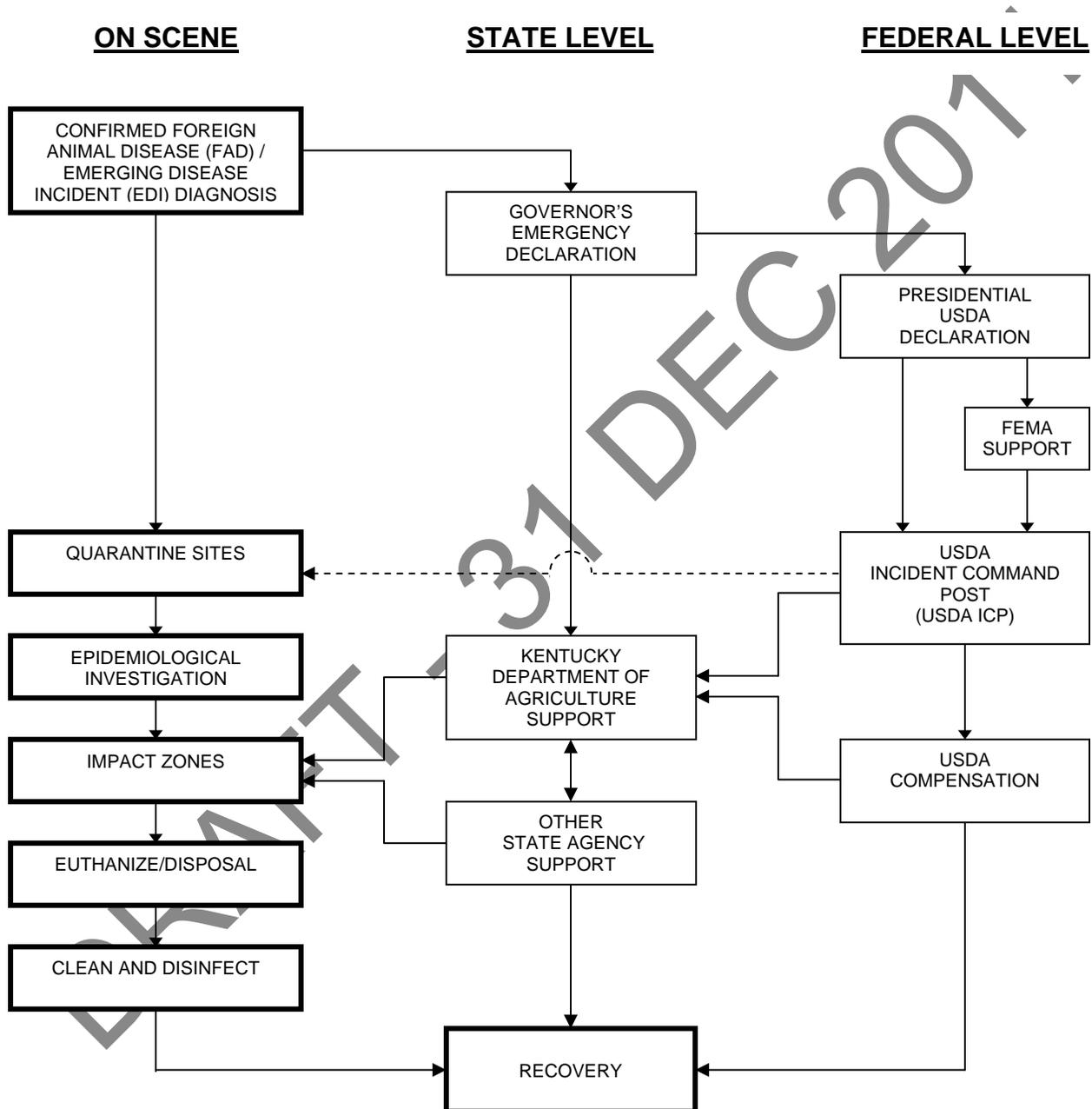
Information is developed on health-related matters, movement controls and eradication plans and methods.

The origin of the disease or contamination is traced and the potential spread is monitored and controlled.

Figure 1 presents a flow chart of the sequence of events that will occur if an ADE is confirmed.

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FIGURE 1  
ANIMAL DISEASE EMERGENCY MANAGEMENT  
SEQUENCE OF EVENTS



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- The SV and AVIC will make determinations regarding the need to euthanize infected, exposed or contaminated animals. In some instances, prior to euthanasia, animals may be appraised by USDA appraisers acting on behalf of USDA.
- Once euthanized, carcasses will be disposed of using the most appropriate method. In Kentucky, the preferred methods are burial, cremation, composting and dissolution.
- If additional action is warranted, the SV and AVIC will notify appropriate personnel and initiate a conference call with the lead agency and APHIS-Veterinary Services (VS) to consider activation of additional federal or state animal disease response teams. Other actions under consideration may be designation of members to roles on the incident management team.
- The location of a contamination event will generally require evacuation of animals. After the affected site is secured, additional environmental monitoring may be conducted and a corrective action plan developed to remediate the site. These actions will be carried out under the direction of the Department for Environmental Protection.
- Some events, such as contamination of feed or water supplies, can constitute a risk to animal populations not directly exposed to the original contamination. This also is true for animal products consumed away from the affected area. Contamination of feed, water or other consumables will result in activities to identify the source and all impacted sites associated with the contamination event.
- In the event of a contamination event, the animals potentially impacted will act as monitors of the environment. Health surveillance of these animals will be used to evaluate the actual toxic impact of the substances on living organisms in the field, the extent and duration of the contamination, and the efficiency of any interventions applied. Adverse effects of the chemicals may not be apparent and may require prolonged surveillance for detection.
- The presence of chemical contamination in healthy farm animal populations can be monitored through repeated analysis of samples of blood and milk, in animals taken to slaughterhouses and if possible from wildlife. Adverse effects of environmental pollutants may become apparent in animal populations prior to appearance in humans.
- Evacuation and management of animal populations may be necessary in the event of a contamination event.
- If possible, unaffected animals will be evacuated as soon as possible from a contaminated area, prior to the animals becoming exposed themselves. Animals that have been exposed to the contaminant may not be allowed to reproduce.

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Depending upon the nature and the properties of the chemicals involved, this prohibition may need to remain for several years.

- In an animal disease emergency, contamination event or animal disaster, animals may need to be euthanized or there may be mortality associated with the incident itself. In these cases, carcasses in whole or parts, which cannot be used because of contamination or infection, must be destroyed in a safe and humane manner in accordance with the American Veterinary Medical Association Euthanasia Guidelines.
- KDA will coordinate with the local or regional emergency operations centers where the response is occurring. Local coordination will be directed to providing the necessary logistical support to the response. In addition, KDA may initiate increased surveillance in the areas surrounding the response, and establish channels of communication with neighboring states, either to arrange additional response support or to coordinate a multi-state response.
- Should the disease be zoonotic, KDA will contact the Kentucky Department for Public Health to coordinate response to the human population.
- Animal quarantines and general “stop animal movement” orders will be issued to contain an ADE or CE. The Commissioner of Agriculture, SV or his designee have the authority to issue these orders. The size of quarantine areas will be based on existing international standards identified by the World Organisation for Animal Health (Office International des Epizooties (OIE)) and from input from APHIS.
- KDA may issue a “stop animal movement” in the event that an ADE outbreak or other AD is confirmed within the United States or in foreign provinces or cities adjacent to the United States. This type of order would restrict the movement of potentially affected animals within a state and also the movement of animals into a state. These orders may be species specific or they could restrict imports.
- The Office of the State Entomologist has the authority to restrict movement of plant material within the Commonwealth of Kentucky.
- KDA will coordinate with DPH and the Kentucky Community Crisis Response Board to provide mental health assets to support persons affected by agricultural emergencies.
- Every responding agency will keep records of resources, response activities performed, and hours worked.

## Response – Natural Resources

- Support the disaster recovery with all available resources.

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- If criminal activity is suspected, DNR will cooperate with any criminal investigation conducted by local, state, or federal law enforcement agencies.
- Coordinate public information and provide updates for ESF-15 Public Information.
- Maintain records of personnel, supplies and resources utilized during response activities.

## Recovery

- Upon being advised that an order to end recovery operations may be forthcoming prepare to discontinue operations.
- Upon the end of recovery operations, responding agencies and entities will be surveyed to determine the cost of recovery for the incident.
- KDA, DNR, and KyEM will work with the appropriate state and federal agencies to acquire financial support, reinstate commerce and repair damaged infrastructure to assist communities, retailers and producers affected by an incident. KDA can also assist producers in diversifying their production.
- KDA and KyEM will coordinate with ESF-14 Long Term Community Recovery, state and federal agencies, non-governmental organizations and volunteer organizations to provide assistance for community long term unmet needs resulting from agricultural emergencies.
- KyEM, KDA, and DNR will make the appropriate state agency assets (e.g., mental health) available to the affected individuals and groups.
- Public natural, historic and cultural properties will be reopened as soon as possible.
- Agencies responding under ESF-11 will conduct internal After Action Reviews, document lessons learned and provide recommendations for improvement of ESF-11 Operations Plans, Procedures and Guidelines.

## TASKS AND RESPONSIBILITIES

### Primary Agency – Kentucky Department of Agriculture

- The Kentucky Department of Agriculture is responsible for coordination of ESF-11 – Agriculture in Kentucky.
- KDA is responsible for the activation and operation of ESF- 11 for the Commonwealth as requested by the CEOC.

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- KDA is responsible for assignment of an ESF- 11 Coordinator to work in the CEOC to fulfill duties as outlined in the CEOC-SOP.
- When required, KDA is responsible for the assignment of an ESF- 11 Coordinator to the Federal Joint Field Office ESF- 11 as described in the National Response Framework
- KDA is responsible for developing and maintaining Standard Operating Procedures for response to agricultural emergencies under ESF- 11.
- KDA is the primary agency for state response to agricultural emergencies. When ESF-11 is activated, KDA, specifically the SV, will direct and manage implementation of ESF-11. As the primary agency for the agricultural component of ESF-11, KDA has the overall authority and responsibility for coordinating and implementing state response under this function.
- KDA will set overall incident-related priorities, allocate resources, ensure proper incident management, monitor incident response to be sure response objectives are met and do not conflict with other state or federal agencies supporting the effort, identify critical resource needs and report those to KyEM, and ensure that short-term recovery transitions into long term recovery operations.
- KDA will coordinate with KyEM to provide response activities that involve multiple states and or federal agencies.
- KDA will coordinate the formal and informal surveillance of animal populations for reportable symptoms or unusual behaviors including trace-backs of feed or other related products associated with impacted animals.
- KDA will be responsible for notification of local emergency management if the Foreign Animal Disease Diagnostician makes a highly likely diagnosis of an ADE.
- KDA will be responsible for requesting the Governor make a State Declaration of Emergency. The Kentucky Secretary of Agriculture has the authority to make a Declaration of Agriculture Emergency for the State.
- KDA will provide information on local agricultural conditions, producers and resources.
- KDA is responsible for the distribution of scientific, procedural and diagnostic information to veterinarians practicing in the Commonwealth.
- KDA SV will be responsible for coordinating the efforts of local veterinarians and national veterinary response teams responding to activation of ESF-11 on the state level.

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- KDA will disseminate information on clinical symptoms of ADEs to veterinarians and other entities conducting surveillance.
- KDA is responsible for coordinating diagnostic and laboratory support for AD, ADE and CE events and providing advice regarding the limits of the infected area, instituting quarantine requirements for infected and exposed herds, and assisting with eradication efforts including determining the appropriate method of disposition of animal carcasses.
- KDA can promulgate emergency regulations and can post restrictions on intra-state commerce affecting agriculture in response to ADE, AD or CE events.
- KDA can provide awareness level training to local Cooperative Extension Agents, public health personnel, law enforcement, and other first responders regarding ADEs, CEs, and ADs.

## **Primary Agency – Kentucky Department for Natural Resources**

- DNR will provide technical assistance to public natural, historic and cultural properties in damage assessment and requests for assistance from KyEM, DOI, DHS, and FEMA.
- Assist in emergency compliance with relevant Federal environmental laws during emergency response activities, such as emergency permits/consultation for natural resource use or consumption.
- Coordinate with ESF-3 for debris removal from public natural, historic and cultural properties.
- Coordinate with ESF-3 to manage, monitor or provide technical assistance on emergency stabilization (and during recovery and restoration) of riparian zones and hillsides to protect NCH resources.
- Coordinate with ESF-10 to remove and remediate natural, cultural, or historic properties impacted by Oil or Hazardous Materials.
- Provide up-to-date geospatial data related to impacted NCH resources.

## **Support Agencies- General**

- All supporting agencies for this ESF will provide information and resources as required by the ESF Coordinator to ensure the proper functioning of ESF- 11.
- Supporting Agencies will ensure their representatives to ESF- 11 are properly trained and exercised on the plans and procedures relating to their work.

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- When required, Supporting Agencies will assign ESF- 11 Coordinators to the Federal Joint Field Office ESF- 11 as described in the National Response Framework
- Supporting agencies will provide liaisons to the CEOC 24/7 as needed to respond to an event coordinated under ESF-11.

## Support Agencies – Specific Duties

### Kentucky Department of Military Affairs- Division of Emergency Management (KyEM)

- KyEM will activate and operate the CEOC and provide a location at the CEOC for the coordination of ESF-11.
- KyEM will provide liaisons to affected jurisdictions and receive and act on requests for assistance from county emergency managers and county elected officials.
- KyEM will prepare situation reports in coordination with the Commissioner of Agriculture to be used to brief the Governor.
- KyEM will assist KDA in coordination with state agencies in the completion of tasks and missions assigned under ESF-11
- KyEM will coordinate with the Federal Emergency Management Agency (FEMA) to provide assistance under the Emergency Management Assistance Compact (EMAC) when the capabilities of the state to respond to an agricultural emergency are exceeded.
- KyEM will coordinate with FEMA to establish a Joint Operations Center as needed to provide federal assistance during an agricultural emergency.
- KyEM will activate ESF-15 Public Information and provide a Public Information Officer to be part of a Joint Information Center (JIC) for providing consistent and accurate information to the public during and agricultural emergency.
- KyEM will provide communications logistics and support to field response for ESF-11
- Provide administrative support to recovery efforts by assisting in the processing of documents authorizing payments to individuals, families, local governments and state agencies.

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## Kentucky Department of Military Affairs – Kentucky Army National Guard

- The KYNG will provide personnel and equipment requested through the CEOC as available to assist in the response to an agricultural emergency.
- KYNG personnel may serve in transportation, logistical, security roles or other roles during response operations.

## Cabinet for Health and Family Services- Department for Public Health (DPH)

- Department of Public Health is responsible for the health needs of human populations affected by zoonotic diseases.
- DPH will coordinate with KDA to establish vector control for animal-borne diseases transferrable to humans via insects.
- DPH will coordinate with KDA, USDA, FDA on matters concerning food safety
- DPH, in cooperation with the KDA, will conduct field investigations, collect samples, oversee laboratory tests, and provide technical assistance to local government in response to agricultural emergencies impacting the human population.

## Kentucky Department for Environmental Protection (DEP)

- DEP and KDA will coordinate response to Contamination Emergencies resulting from the exposure of animal populations or crops to hazardous chemicals.
- DEP will provide expertise regarding the cleaning and disinfection of infected or contaminated areas using environmentally sound procedures and chemicals, proper Personal Protective Equipment to be employed by responders, decontamination procedures to be followed, and proper handling and disposal of contaminated materials.
- If euthanasia of animal populations is required, DEP will provide technical advice and expertise to disposal teams on the potential environmental impact to surface water, groundwater, and air from the disposal method proposed.
- DEP will also provide technical advice in locating cleaning and disinfecting stations.
- Assist KDA to identify and approve regulated disposal and treatment activities.
- DEP will conduct environmental sampling and analysis related to contamination events.

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- DEP will facilitate disposal of contaminated materials.
- DEP will coordinate with DNR for the remediation and proper disposal of oil and hazardous materials that have impacted natural, historic or cultural resources.

## Kentucky Department of Fish and Wildlife Resources (KFWR)

- KFWR will coordinate wildlife surveillance. If euthanasia of wildlife is deemed necessary by KDA or DPH, KFWR will manage and implement the wildlife depopulation effort and also the disposal of impacted wildlife.
- KFWR will coordinate with the Kentucky Department for Environmental Protection (DEP) and KDA to investigate the causes of actual or suspected fish kills.
- KFWR will use internal and other professionals in wildlife and rodent control to investigate affected premises for elimination of biological vectors and to sample or depopulate wildlife.
- KFWR will coordinate the handling and care of displaced and injured wildlife.
- KFWR will maintain a list of wildlife rehabilitators that could be used to support a response.
- KFWR may also provide law enforcement personnel as needed to respond to agricultural emergencies.

## Kentucky Community Crisis Response Board

- Provide emotional counseling for citizens in response to agricultural and natural resource emergencies which may among other activities involve working with citizens who have been affected by a disaster.
- Provide emotional counseling for responders to agricultural and natural resource emergencies

## Kentucky Transportation Cabinet (KYTC)

- The KYTC may assist in the transportation of large and small animals from the site of the disaster to the appropriate holding facility.
- The KYTC will coordinate transport for responders, cargo and personnel to the site of the disaster or emergency.

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- The KYTC will coordinate response operations by providing specialized, heavy equipment and heavy equipment operators.
- KYTC will provide equipment to haul cargo and personnel.
- KYTC will provide air transportation support.
- KYTC will provide guidance for re-routing traffic in and around the affected area, and may assist KSP with traffic control issues and needs
- KYTC will assist in the transport and disposal of soil, carcasses or debris, and,
- Assist with identification of potential sources of outside assistance, i.e., contractors, equipment sources.

## **University of Kentucky College of Agriculture – Cooperative Extension Service**

- As funding allows, assist KDA with the training of Agricultural Extension Agents and other to assist in response to ESF-11 emergency incidents.
- Provide technical expertise to KDA in response to animal or plant health emergencies
- As funding allows, assist in the development of curriculum and provision of workshops to educate local communities on planning and agricultural emergencies.

## **University of Kentucky Department of Plant Pathology**

- Provide diagnostic, analytical and technical support for plant emergencies.
- Forward samples and subsamples appropriately through NPDN for confirmatory or additional analysis.
- Coordinate collection of samples by agricultural extension agents and other professionals who have received NPDN “First Detector” training.
- Specialists in the department will help to identify appropriate outside experts, should the emergency involve infectious or other agents outside of the areas of expertise within the department.

## **Kentucky State Police (KSP)**

- KSP will provide law enforcement and security support to KDA and DNR in the event this ESF is activated.

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- KSP as the lead state law enforcement agency, and in coordination with local law enforcement, will be the initial evidence gatherer relative to any criminal investigation.
- KSP will provide security, law enforcement, traffic control, and control access and movement into impacted areas as required.
- KSP may be asked to expedite the transport of samples for laboratory analysis
- KSP will assist the KDA with implementing quarantine procedures for movement of persons and motor vehicles into and out of the impacted area.
- Coordinate with FBI and Homeland Security in the event that an agricultural or natural resource response is suspected or is confirmed to have been caused by a terrorist act.

## **Tourism, Arts and Heritage Cabinet – Kentucky Heritage Council and State Parks**

- Assist DNR in the development of an inventory of natural, historic and cultural resources to be responded to under this ESF
- Assist DNR and KDA in the evacuation and closure of natural, historic, and cultural resources under their control as necessary to respond to an emergency event or disaster whether natural or man-made.

## **County and State Fair Boards**

- County and State Fair Boards may be requested to make space available for the sheltering of livestock and small animals during response to emergency events

## **United States Department of Agriculture (USDA)**

- As requested by the KDA and in keeping with the requirements of the National Response Framework, the USDA will provide technical expertise through APHIS – Veterinary Service for response to highly infectious/contagious or economically devastating animal/zoonotic disease.
- As requested by KDA and in keeping with the requirements of the National Response Framework, the USDA will provide technical expertise to highly infective exotic plant disease or economically devastating plant pest infestation through APHIS Plant Protection and Quarantine and through the NPDP.
- USDA will provide support to KDA as requested for response to food safety emergencies
- USDA will provide emergency food stamps as needed during response to disaster.

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- USDA-Natural Resources Conservation Service (NRCS) will provide technical guidance, personnel, resources and financial assistance to the DNR to respond to natural and manmade disasters affecting the riparian zone, river systems and hillsides of the Commonwealth.

USDA will assist farmers and others to obtain low interest loans for farm, livestock, and crop damage.

USDA will coordinate with the Housing and Urban Development Cabinet and other agencies to assist individuals displaced from their homes with finding replacement housing.

## **Food and Drug Administration (FDA)**

- The FDA will provide technical guidance and expertise in response to human food safety food and animal feed safety concerns resulting from agricultural disease and/or contamination emergencies.

## **Department of Interior**

- As requested and in keeping the National Response Framework, the DOI will coordinate with the DNR to manage, monitor and assist in or conduct response to recovery actions to minimize damage to NCH resources.

## **Agriculture Trade Associations**

- Agriculture Trade Associations may be requested to coordinate with the KDA and others to provide educational information to their members on animal and crop diseases
- Agriculture Trade Associations may be requested to coordinate with KDA and their respective memberships to mitigate and control losses due to CE, AD, ADE or crop infestation.

## **Volunteer Organizations**

- Voluntary Organizations Active in Disasters may be requested to assist the Cabinet for Health and Family Services and other agencies in responding to the shelter and feeding needs of persons displaced due to agricultural or natural resource emergencies.

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## ADMINISTRATIVE SUPPORT

- This ESF will be reviewed annually by the KyEM Planning Branch and the ESF-11 CEOC Coordinator.
- KyEM will develop and review ESF- 11 Standard Operating Procedures and provide an updated copy to the Division of Emergency Management Planning Branch no later than December 1st of each year.

## REFERENCES

KRS 39A-F

The National Response Framework

The National Incident Management System

Kentucky Division of Emergency Management, State Emergency Operations Center, Standard Operating Procedures

ESF- 11 Standard Operating Procedures

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