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**IS-811: ESF #11 – Agriculture and  
Natural Resources  
Instructor Guide**

---

**February 2009**



**Topic**

**Course Overview**

**Display  
Visual 1**



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**Instructor Notes:** Present the following key points.

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**Purpose:** The purpose of this course is to familiarize participants with the function and composition of ESF #11 – Agriculture and Natural Resources.

**Approximate Time:** 1 hour

**Content Outline:** This module includes the following major topics:

- ESF Overview
- ESF #11 Purpose and Scope
- Nutrition Assistance
- Response to Animal/Plant Diseases and Pests
- Meat, Poultry, and Egg Product Safety
- Protection of Natural and Cultural Resources and Historic Properties
- Safety and Well-Being of Household Pets
- Concept of Operations
- Summary

**Materials:**

- Instructor Guide
- Student Manual (including the ESF #11 – Agriculture and Natural Resources Annex)

**Topic**

**Course Overview**

**Display  
Visual 2**

### Objectives

- Describe the overall purpose and scope of ESF #11.
- Identify the supplemental assistance ESF #11 provides to State, tribal, and local governments.
- Identify typical activities accomplished by ESF #11 resources.
- Describe the types of partnerships formed between ESF #11 and other response agencies and organizations.



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Visual 2

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**Instructor Notes: Present the following key points.**

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At the end of this course, participants will be able to:

- Describe the overall purpose and scope of ESF #11.
- Identify the supplemental assistance ESF #11 provides to State, tribal, and local governments.
- Identify typical activities accomplished by ESF #11 resources.
- Describe the types of partnerships formed between ESF #11 and other response agencies and organizations.

**Topic**

**Course Overview**


Display  
Visual 3

### Introductions



**Tell us:**

- Your name.
- Your role in emergency management.
- What you hope to gain from this course.

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Visual 3

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**Instructor Notes: Present the following key points.**

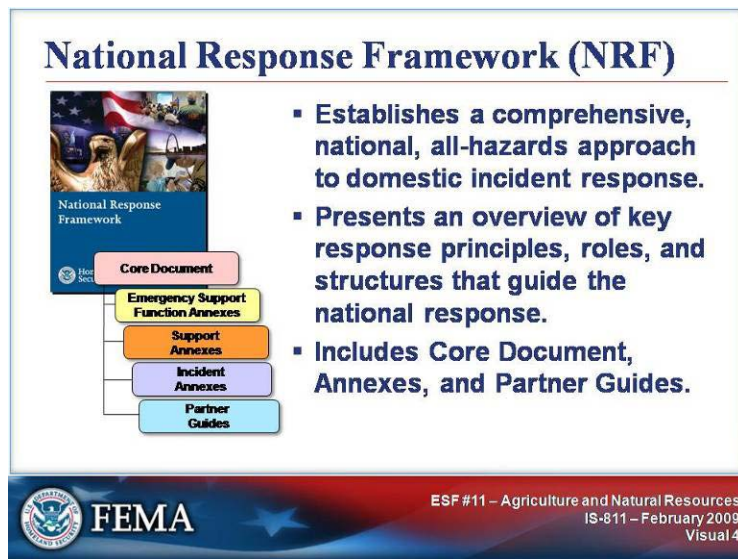
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Welcome the participants and introduce yourself. Then ask the participants to introduce themselves to the members of their table groups. Ask for:

- Their names.
- Their roles in emergency management.
- What they hope to gain from this course.

<b>Topic</b>	<b>ESF Overview</b>
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**Display  
Visual 4**



**Instructor Notes: Present the following key points.**

The National Response Framework (NRF):

- Is a guide to how the Nation conducts all-hazards response.
- Builds upon the National Incident Management System (NIMS) coordinating structures to align key roles and responsibilities across the Nation, linking all levels of government, nongovernmental organizations, and the private sector.

The NRF is comprised of:

- The Core Document, which describes the doctrine that guides our national response, roles and responsibilities, response actions, response organizations, and planning requirements to achieve an effective national response to any incident that occurs.
- Emergency Support Function Annexes, which identify Federal resources and capabilities that are most frequently needed in a national response (e.g., transportation, firefighting, mass care).
- Support Annexes, which describe essential supporting aspects that are common to all incidents (e.g., financial management, volunteer and donations management, private-sector coordination).
- Incident Annexes, which address the unique aspects of how we respond to seven broad categories or types of incidents (e.g., biological, nuclear/radiological, cyber, mass evacuation).
- Partner Guides, which provide ready references describing key roles and actions for local, tribal, State, Federal, and private-sector response partners.

<b>Topic</b>	<b>ESF Overview</b>
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Visual 5

### Emergency Support Functions (ESFs)

ESFs are:

- The primary operational-level mechanism to provide assistance.
- Organized around functional capabilities (e.g., emergency management, transportation, search and rescue, etc.).



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Visual 5

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**Instructor Notes: Present the following key points.**

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The Federal Government and many State governments organize many of their resources and capabilities—as well as those of certain private-sector and nongovernmental organizations—under Emergency Support Functions (ESFs).

The ESFs:

- Are coordinated by the Federal Emergency Management Agency (FEMA) through the National Response Coordination Center (NRCC), Regional Response Coordination Centers (RRCCs), and Joint Field Offices (JFOs).
- Are a critical mechanism to coordinate functional capabilities and resources provided by Federal departments and agencies, along with certain private-sector and nongovernmental organizations.


Note that some States also have organized an ESF structure along this approach.


<b>Topic</b>	<b>ESF Overview</b>
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Display  
Visual 6

### ESF General Duties

- Commit agency assets.
- Approve and implement mission assignments.
- Maintain situational awareness and report on ESF operations.
- Represent agency on task forces and ad hoc groups.
- Serve as technical experts.



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Visual 6

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**Instructor Notes: Present the following key points.**

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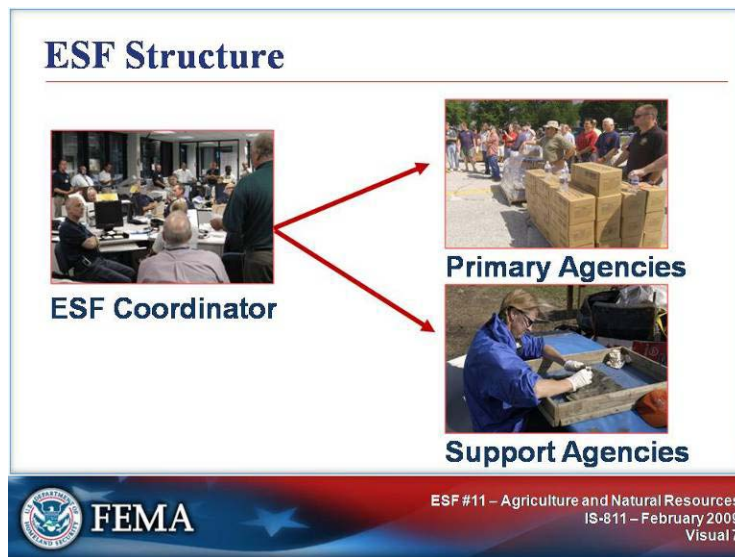
Review the general ESF duties listed on the visual.

Why is it important that ESFs have the authority to commit agency assets?



<b>Topic</b>	<b>ESF Overview</b>
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Display  
Visual 7



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**Instructor Notes: Present the following key points.**

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The ESF structure includes:

- **ESF Coordinator.** The entity assigned to manage oversight for a particular ESF.
- **Primary Agencies.** ESF primary agencies are Federal agencies with significant authorities, resources, or capabilities for a particular function within an ESF. A Federal agency designated as an ESF primary agency serves as a Federal executive agent under the Federal Coordinating Officer (or Federal Resource Coordinator for non-Stafford Act incidents) to accomplish the ESF mission.
- **Support Agencies.** Support agencies are those entities with specific capabilities or resources that support the primary agencies in executing the mission of the ESF.

ESFs provide support to other ESFs. For example: ESF #3 – Public Works and Engineering may support rural ESF #5 – Emergency Management forces to obtain heavy equipment and/or demolition services as needed to suppress incident-related fires.

**Topic**

**ESF Overview**

**Display  
Visual 8**

### ESF Coordinator



- Pre-incident planning and coordination
- Ongoing contact with primary and support agencies
- Coordination with private-sector organizations
- Preparedness planning and exercises

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Visual 8

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**Instructor Notes: Present the following key points.**

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The ESF coordinator has management oversight for that particular ESF.

Note that, as described on the visual, the ESF coordinator has a role throughout the incident management cycle.

**Topic**

**ESF Overview**

**Display  
Visual 9**

### Primary and Support Agencies

- **Primary Agency:** Federal agency with significant authorities, resources, or capabilities for a particular function within an ESF.
- **Support Agency:** Assists the primary agency by providing resources and capabilities in a given functional area.





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Visual 9

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**Instructor Notes: Present the following key points.**

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When an ESF is activated in response to an incident:

- The **primary agency** is responsible for:
  - Serving as a Federal executive agent under the Federal Coordinating Officer (or Federal Resource Coordinator for non-Stafford Act incidents) to accomplish the ESF mission.
  - Orchestrating Federal support within its functional area for an affected State.
  - 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 and appropriate State agencies.
  - Working with appropriate private-sector organizations to maximize use of all available resources.
  - Supporting and keeping other ESFs and organizational elements informed of ESF operational priorities and activities.
  - Maintaining trained personnel to support interagency emergency response and support teams.
- **Support agencies** are responsible for:
  - Conducting operations, when requested by the Department of Homeland Security (DHS) or the designated ESF primary agency, using their own authorities, subject-matter experts, capabilities, or resources.
  - Participating in planning for short- and long-term incident management and recovery operations and the development of supporting operational plans, standard operating procedures (SOPs), checklists, or other job aids, in concert with existing first-responder standards.
  - Assisting in the conduct of situational assessments.
  - Furnishing available personnel or other resource support as requested by DHS or the ESF primary agency.
  - Providing input to periodic readiness assessments.
  - Participating in training and exercises aimed at continuous improvement of response and recovery capabilities.
  - Identifying new equipment or capabilities required to prevent or respond to new or emerging threats and hazards, or to improve the ability to address existing threats.

<b>Topic</b>	<b>ESF Overview</b>
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Display  
Visual 10

### Activation of ESFs



- Not every incident requires the activation of ESFs.
- ESFs may be selectively activated for:
  - Stafford Act Emergency and Major Disaster Declarations.
  - Non-Stafford Act incidents as specified in Homeland Security Presidential Directive 5 (HSPD-5).

ESF deployment must be coordinated, even if under the agency's own authority!

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Visual 10

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**Instructor Notes: Present the following key points.**

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ESFs may be selectively activated for both Stafford Act and non-Stafford Act incidents under circumstances as defined in Homeland Security Presidential Directive 5 (HSPD-5). Not all incidents requiring Federal support result in the activation of ESFs.

FEMA can deploy assets and capabilities through ESFs into an area in anticipation of an approaching storm or event that is expected to cause a significant impact and result. This coordination through ESFs allows FEMA to position Federal support for a quick response, though actual assistance cannot normally be provided until the Governor requests and receives a Presidential major disaster or emergency declaration.

<b>Topic</b>	<b>ESF Overview</b>
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Display  
Visual 11



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**Instructor Notes: Present the following key points.**

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The 15 ESFs are listed on the visual. The complete ESF Annexes are available at the NRF Resource Center at [www.fema.gov/nrf](http://www.fema.gov/nrf).

This course focuses on ESF #11 – Agriculture and Natural Resources.

Describe your roles or associations with ESF #11.

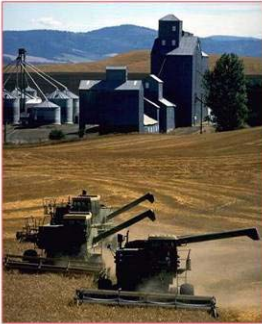
<b>Topic</b>	<b>ESF #11 Purpose and Scope</b>
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Display  
Visual 12


### ESF #11: Purpose

**ESF #11:**

- Provides agriculture and natural resources support.
- Assists States, tribes, and other Federal agencies.
- Is activated for incidents requiring a coordinated Federal response.



 See page 1 of the annex

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Visual 12

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**Instructor Notes: Present the following key points.**

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ESF #11 provides agriculture and natural resources support to States, tribes, and other Federal agencies during disasters and emergencies. ESF #11 is activated by the Secretary of Homeland Security during incidents requiring a coordinated Federal response when the assistance available through the primary and support agencies of ESF #11 is needed.

The Department of Agriculture (USDA) and the Department of the Interior (DOI) are the primary agencies for ESF #11 and are supported by a host of support agencies. USDA is also the ESF #11 coordinator. USDA has delegated its coordinating role to the Animal and Plant Health Inspection Service.

Refer to the purpose statement on page 1 of the ESF #11 – Agriculture and Natural Resources Annex.



<b>Topic</b>	<b>ESF #11 Purpose and Scope</b>
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Display  
Visual 13

A presentation slide titled "ESF #11: Scope". The slide lists six key areas addressed by ESF #11: Nutrition assistance, Response to animal/plant diseases and pests, Safety of meat, poultry, and egg products, Protection of natural and cultural resources and historic properties, and Safety and well-being of household pets. To the right of the text are two images: a close-up of a pig's face and a small, ornate building, possibly a historic church or schoolhouse. The slide features the FEMA logo in the bottom left corner and text in the bottom right corner: "ESF #11 – Agriculture and Natural Resources", "IS-811 – February 2009", and "Visual 13".

**ESF #11: Scope**

ESF #11 addresses:

- Nutrition assistance.
- Response to animal/plant diseases and pests.
- Safety of meat, poultry, and egg products.
- Protection of natural and cultural resources and historic properties.
- Safety and well-being of household pets.

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Visual 13

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**Instructor Notes: Present the following key points.**

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ESF #11's scope is much broader than many other ESFs.

ESF #11 supports State, tribal, and local authorities and other Federal agency efforts to address:

- Nutrition Assistance.
- Response to Animal/Plant Diseases and Pests.
- Safety of Meat, Poultry, and Egg Products.
- Protection of Natural and Cultural Resources and Historic Properties.
- Safety and Well-Being of Household Pets.

Depending upon the incident, only selected ESF #11 resources may be activated. This course will look closer at each ESF #11 functional element, starting with Nutrition Assistance.

The scope information can be found on page 1 of the ESF #11 – Agriculture and Natural Resources Annex.

<b>Topic</b>	<b>Nutrition Assistance</b>
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Display  
Visual 14



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**Instructor Notes: Present the following key points.**

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The USDA Food and Nutrition Service (FNS) is the primary agency for nutrition assistance actions, which may include:

- Commodity food support to congregate meal services.
- Household food packages.
- Disaster Supplemental Nutrition Assistance Program (D-SNAP).



<b>Topic</b>	<b>Nutrition Assistance</b>
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Display  
Visual 15

### Nutrition Assistance Support Agencies

ESF #11 nutrition assistance partners include:

- Department of Defense.
- Department of Health and Human Services.
- Department of Homeland Security.
- Environmental Protection Agency.
- General Services Administration.
- Nongovernmental organizations.



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Visual 15

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**Instructor Notes: Present the following key points.**

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Partners in providing ESF #11 nutrition assistance services include:

- Department of Defense.
- Department of Health and Human Services.
- Department of Homeland Security.
- Environmental Protection Agency.
- General Services Administration.
- Nongovernmental organizations.



<b>Topic</b>	<b>Nutrition Assistance</b>
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Display  
Visual 16

### Nutrition Assistance Actions

Under this category, FNS:

- Coordinates requests for nutrition assistance.
- Obtains USDA commodity foods.
- Arranges transportation for USDA commodity foods.
- Authorizes Disaster Supplemental Nutrition Assistance Program (D-SNAP).



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IS-811 – February 2009  
Visual 16

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**Instructor Notes: Present the following key points.**

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Under this category, FNS:

- Coordinates requests for nutrition assistance.
- Obtains USDA commodity foods.
- Arranges transportation for USDA commodity foods.
- Authorizes Disaster Supplemental Nutrition Assistance Program (D-SNAP).

<b>Topic</b>	<b>Response to Animal/Plant Diseases and Pests</b>
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Display  
Visual 17



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**Instructor Notes: Present the following key points.**

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**What threats do diseases and pests pose to U.S. agriculture?**

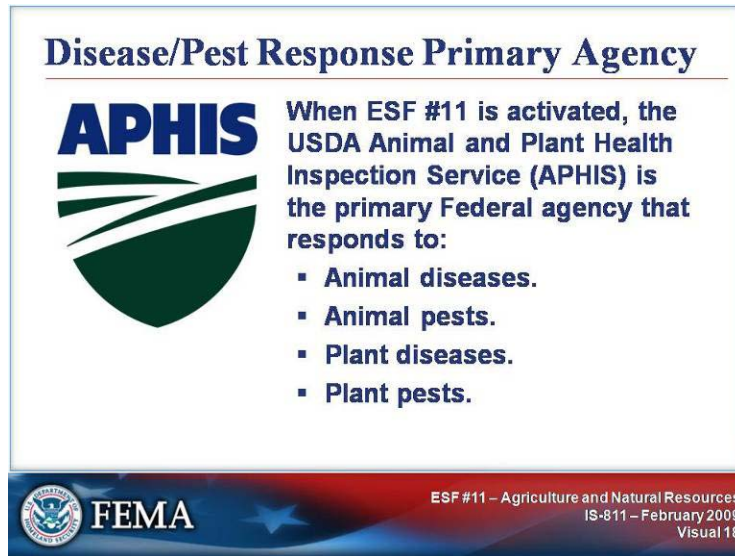
Facilitate a discussion. If not mentioned by participants, explain that the accidental or intentional release of an animal disease or pest, or a plant disease or pest, can have massive implications for the entire country. Monetarily, U.S. agriculture is valued at approximately \$230 billion and accounts for more than 15 percent of our gross domestic product. Each year, the United States engages in more than \$1 trillion worth of agricultural-related activities and services, making agriculture the largest employer in the United States. One out of every six jobs is related to agriculture in some way.

The next part of this course explains ESF #11's role in responding to these threats.

**Topic**

**Response to Animal/Plant Diseases and Pests**

Display  
Visual 18



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**Instructor Notes: Present the following key points.**

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The USDA Animal and Plant Health Inspection Service (APHIS) is the primary Federal agency that responds to animal/plant disease and pest situations.

<b>Topic</b>	<b>Response to Animal/Plant Diseases and Pests</b>
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Display  
Visual 19

**Disease/Pest Response Support Agencies (1 of 2)**



**Animal/plant disease and pest response partners include:**

- Department of Defense.
- Department of Energy.
- Department of Health and Human Services.
- Department of Homeland Security.
- Department of Labor.

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IS-811 – February 2009  
Visual 19

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**Instructor Notes: Present the following key points.**

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Animal/plant disease and pest response partners include:

- Department of Defense/U.S. Army Corps of Engineers.
- Department of Energy/National Nuclear Security Administration.
- Department of Health and Human Services.
- Department of Homeland Security.
- Department of Labor/Occupational Safety and Health Administration.

<b>Topic</b>	<b>Response to Animal/Plant Diseases and Pests</b>
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Display  
Visual 20

**Disease/Pest Response Support Agencies (2 of 2)**

**Animal/plant disease and pest response partners also include:**

- Department of Justice.
- Department of Transportation.
- Department of State.
- Environmental Protection Agency.
- U.S. Postal Service.





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IS-811 – February 2009  
Visual 20

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**Instructor Notes: Present the following key points.**

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The following are also animal/plant disease and pest response partners:

- Department of Justice.
- Department of Transportation.
- Department of State.
- Environmental Protection Agency.
- U.S. Postal Service.




<b>Topic</b>	<b>Response to Animal/Plant Diseases and Pests</b>
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Display  
Visual 21

### Disease/Pest Response Actions

APHIS provides for:

- Inspection.
- Fumigation.
- Disinfection.
- Sanitation.
- Destruction of infected/contaminated animals or materials.
- Pest extermination.
- Quarantine enforcement.



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IS-811 – February 2009  
Visual 21

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**Instructor Notes: Present the following key points.**

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The USDA Animal and Plant Health Inspection Service (APHIS):

- Addresses the potential for outbreaks in multiple States and provides guidance to unaffected States.
- Notifies the USDA's Office of the Inspector General (OIG) in cases of a possible intentional pathogen or pest release.
- Works closely with DHS to manage events with evolving situations as appropriate.
- Provides for the inspection, fumigation, disinfection, sanitation, destruction of infected/contaminated animals or materials, pest extermination, and quarantine enforcement.
- Enforces interstate quarantines and coordinates with the States to ensure the establishment of appropriate intrastate quarantines.

<b>Topic</b>	<b>Meat, Poultry, and Egg Product Safety</b>
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Display  
Visual 22



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**Instructor Notes: Present the following key points.**

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**Why is it important to protect our Nation's meat, poultry, and egg products?**

Facilitate a discussion. If not mentioned by participants, present the following points:

- Consumption of contaminated food causes an estimated 76 million cases of foodborne disease each year in the United States. While the great majority of these cases are mild and cause symptoms for only a day or two, some cases are more serious.
- For example, listeriosis is a serious infection caused by eating food, commonly deli meat or soft cheeses, contaminated by a bacterium called *Listeria monocytogenes*. Approximately 2,500 people in the United States become seriously ill from listeriosis each year.
- The intentional contamination of meat, poultry, and egg products with bacteria, chemicals, or even radioactive material has the potential to affect thousands of people.

The next part of this course illustrates how ESF #11 addresses specific concerns related to our Nation's supply of meat, poultry, and egg products.



<b>Topic</b>	<b>Meat, Poultry, and Egg Product Safety</b>
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Display  
Visual 23



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**Instructor Notes: Present the following key points.**

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The USDA Food Safety and Inspection Service (FSIS) is responsible for ensuring the safety, wholesomeness, and proper labeling of the Nation's supply of meat, poultry, and egg products.

Other food safety issues are handled by the Department of Health and Human Services, Food and Drug Administration under ESF #8 – Public Health and Medical Services.

<b>Topic</b>	<b>Meat, Poultry, and Egg Product Safety</b>
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Display  
Visual 24

### Product Safety Support Agencies

Partners in ensuring the safety and security of meat, poultry, and egg products include:

- Department of Defense.
- Department of Energy.
- Department of Health and Human Services.
- Environmental Protection Agency.



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IS-811 – February 2009  
Visual 24

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**Instructor Notes: Present the following key points.**

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Partners in ensuring the safety and security of meat, poultry, and egg products include:

- Department of Defense.
- Department of Energy.
- Department of Health and Human Services.
- Environmental Protection Agency.

**Topic**

**Meat, Poultry, and Egg Product Safety**

**Display  
Visual 25**

**Product Safety Actions**

FSIS ensures the safety of meat, poultry, and egg products with:

- Routine safety inspections.
- Foodborne disease surveillance.
- Laboratory analysis of food samples.
- Plant closures.
- Field investigations.
- Control of products suspected to be adulterated.



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IS-811 – February 2009  
Visual 25

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**Instructor Notes: Present the following key points.**

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FSIS responsibilities for ensuring the safety of the Nation's supply of meat, poultry, and egg products include:

- Performing inspection and verification of food safety aspects of products in affected areas to ensure safe and wholesome products enter commerce.
- Conducting foodborne disease surveillance.
- Coordinating recall and tracing of adulterated products.
- Coordinating disposal of adulterated meat, poultry, and egg products.
- Providing inspection personnel, program investigators, and laboratory services to affected areas.

FSIS also:

- Assesses whether meat, poultry, and egg products processors, distributors, and importers in the affected area are able to provide safe and secure food, and suspends operations as appropriate.
- Evaluates the adequacy of available inspection personnel, program investigators, and laboratory services relative to the emergency on a geographical basis to determine whether safe meat, poultry, and egg products may be produced.
- Engages in surveillance of illness, injury, and other consumer complaints related to the safety and security of meat, poultry, and egg products.

Furthermore, FSIS:

- Conducts product tracing to determine the source, destination, and disposition of adulterated meat, poultry, or egg products.
- Controls all identified FSIS-inspected products at inspected establishments that are suspected or found to be adulterated through product recall, seizure, and detention and/or closures of regulated establishments.

<b>Topic</b>	<b>Meat, Poultry, and Egg Product Safety</b>
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Display  
Visual 26



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**Instructor Notes: Present the following key points.**

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The Food Emergency Response Network (FERN), co-chaired by FSIS and FDA, is a nationwide laboratory network that integrates existing Federal and State food-testing lab resources and may be called to assist when ESF #11 is activated.

FERN:

- Provides a national surveillance program for early detection of threat agents in the U.S. food supply.
- Helps the Nation's labs respond to food-related emergencies, including threat agents not typically associated with foodborne illness.
- Offers significant surge capacity for handling samples for an efficient response to food-contamination emergencies.
- Provides technical expertise to other Federal and State agencies.

<b>Topic</b>	<b>Protection of Natural and Cultural Resources and Historic Properties</b>
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Visual 27



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**Instructor Notes: Present the following key points.**

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For incidents involving NCH protection, the Department of the Interior (DOI) acts as the primary agency.

When an incident requires assistance from more than one of the ESF #11 functions, the Department of Agriculture provides the overall direction.

<b>Topic</b>	<b>Protection of Natural and Cultural Resources and Historic Properties</b>
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Display  
Visual 28

### NCH Protection Support Agencies

Partners in NCH protection include:

- Department of Agriculture.
- Department of Commerce.
- Department of Defense.
- Department of Homeland Security.
- Department of Labor.
- National Archives and Records Administration.
- Advisory Council on Historic Preservation.
- Heritage Emergency National Task Force.



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IS-811 – February 2009  
Visual 28

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**Instructor Notes: Present the following key points.**

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Partners in ESF #11 NCH protection include:

- Department of Agriculture/Natural Resources Conservation Service, Forest Service, or Farm Service Agency.
- Department of Commerce/National Oceanic and Atmospheric Administration.
- Department of Defense/U.S. Army Corps of Engineers.
- Department of Homeland Security/FEMA.
- Department of Labor/Occupational Safety and Health Administration.
- National Archives and Records Administration.
- Advisory Council on Historic Preservation.
- Heritage Emergency National Task Force.



<b>Topic</b>	<b>Protection of Natural and Cultural Resources and Historic Properties</b>
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Display  
Visual 29

### NCH Protection Actions

DOI coordinates NCH:

- Preservation.
- Conservation
- Rehabilitation.
- Recovery.
- Restoration.
- Identification and vulnerability assessment.
- Damage assessment.



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IS-811 – February 2009  
Visual 29

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**Instructor Notes: Present the following key points.**

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Under this category, DOI's responsibilities include:

- Coordinate natural and cultural resources and historic properties (NCH) resources identification and vulnerability assessments.
- Manage, monitor, and assist in or conduct response and recovery actions to minimize damage to NCH resources.
- Provide assistance and expertise in addressing impacts to properties of traditional, religious, and cultural importance.

<b>Topic</b>	<b>Safety and Well-Being of Household Pets</b>
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Display  
Visual 30



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**Instructor Notes: Present the following key points.**

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**Why must response organizations consider household pets in planning for incidents?**

Facilitate a discussion. If not mentioned by participants, present the following points:

- About 60 percent of all households in the United States have a pet, including about 60 million dogs and about 75 million cats. In 2005, Americans spent more than \$35 billion on their pets. And the majority of dog and cat owners consider their pets to be members of the family. Yet these same animals are often overlooked in family emergency planning.
- When Hurricane Katrina struck the Gulf Coast, thousands of pets were left stranded in the ensuing evacuations. The subsequent massive animal rescue and relief efforts brought awareness to weak disaster plans for animals and highlighted the bonds between pets and their owners.

The Household Pets Response function of ESF #11 supports an integrated response to provide for the safety and well-being of household pets during natural disasters and other events resulting in mass displacement of civilian populations. This next part of the course describes the specific actions the Department of Agriculture takes, along with FEMA and other ESFs, to protect pets during an incident.



**Topic**

**Safety and Well-Being of Household Pets**

**Display  
Visual 31**



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**Instructor Notes: Present the following key points.**

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Under ESF #11, the USDA Animal and Plant Health Inspection Service (APHIS) is charged with supplying technical assistance and subject-matter expertise regarding the safety and well-being of household pets during emergencies. These efforts are coordinated by APHIS' Animal Care program.

**Topic**

**Safety and Well-Being of Household Pets**

Display  
Visual 32

### Pet Safety/Well-Being Support Agency



**FEMA:**

- **Contracts for transportation for companion and service animals in advance of emergency events.**
- **Funds State and local preparedness activities for household pets and animals.**



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IS-811 – February 2009  
Visual 32

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**Instructor Notes: Present the following key points.**

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FEMA acts as a partner under ESF #11's Safety and Well-Being of Household Pets function by:

- Contracting for transportation for companion and service animals in advance of emergency events.
- Funding State and local preparedness activities for household pets and animals.

<b>Topic</b>	<b>Safety and Well-Being of Household Pets</b>
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Display  
Visual 33

### Pet Safety/Well-Being Actions

ESF #11 coordinates with FEMA and other ESFs on the following services for household pets:

- Mass evacuation/sheltering.
- Medical care.
- Transportation.
- Search and rescue operations.
- Assistance during long-term community recovery.



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IS-811 – February 2009  
Visual 33

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**Instructor Notes: Present the following key points.**

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Through ESF #11, APHIS:

- Coordinates with ESF #6 – Mass Care, Emergency Assistance, Housing, and Human Services on mass evacuation and sheltering of household pets.
- Coordinates with ESF #8 – Public Health and Medical Services on medical care for household pets.
- Coordinates with FEMA on transportation for household pets.
- Coordinates with ESF #9 – Search and Rescue on search and rescue operations for household pets.
- Coordinates with ESF #14 – Long-Term Community Recovery to ensure continued assistance is provided for household pets during long-term community recovery.
- Provides technical support and subject-matter expertise regarding the safety and well-being of household pets.
- Conducts critical needs assessments for household pets.
- Expedites requests for resources to assist in evacuating and sheltering household pets.


<b>Topic</b>	<b>Concept of Operations</b>
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Display  
Visual 34

### Concept of Operations

When activated, ESF #11:

- Organizes staffing to facilitate support.
- Organizes and coordinates requests for ESF #11 resources.
- Facilitates the delivery of services, technical assistance, expertise, and other support.



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ESF #11 – Agriculture and Natural Resources  
IS-811 – February 2009  
Visual 34

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**Instructor Notes: Present the following key points.**

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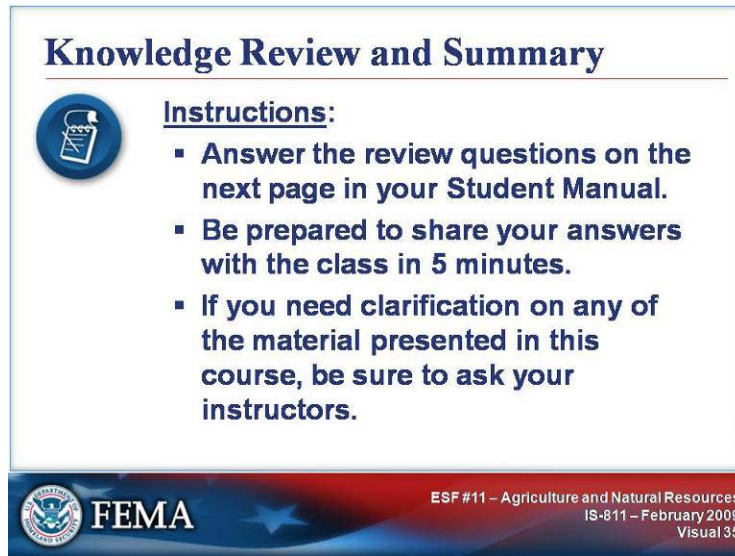
During incidents requiring ESF #11 resources, when activated, ESF #11 will:

- Organize the staffing to facilitate support.
- Organize and coordinate the requests for ESF #11 resources.
- Facilitate the delivery of services, technical assistance, expertise, and other support.

**Topic**

**Summary**


Display  
Visual 35

A presentation slide titled "Knowledge Review and Summary" with a blue header. On the left is a circular icon of a notepad and pencil. To the right, under the heading "Instructions:", are three bullet points: "Answer the review questions on the next page in your Student Manual.", "Be prepared to share your answers with the class in 5 minutes.", and "If you need clarification on any of the material presented in this course, be sure to ask your instructors." The slide has a red and blue footer with the FEMA logo, the text "ESF #11 – Agriculture and Natural Resources", "IS-811 – February 2009", and "Visual 35".

**Knowledge Review and Summary**

**Instructions:**

- Answer the review questions on the next page in your Student Manual.
- Be prepared to share your answers with the class in 5 minutes.
- If you need clarification on any of the material presented in this course, be sure to ask your instructors.

 **FEMA** ESF #11 – Agriculture and Natural Resources  
IS-811 – February 2009  
Visual 35

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**Instructor Notes: Present the following key points.**

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Conduct the review as follows:

- Direct the participants to the Knowledge Review located at the end of their Student Manuals.
- Allow 5 minutes for the participants to answer the questions.
- Monitor the time. When 5 minutes have passed, ask for volunteers to provide their answers.
- If not mentioned by participants, provide the correct responses from the answer key on the next page.
- Ask the participants if they have any questions on the material covered in this course. Be sure to answer all questions before moving on to the exam.

Additional information about the National Response Framework and Emergency Support Functions may be obtained at the NRF Resource Center at [www.fema.gov/nrf](http://www.fema.gov/nrf).

**Topic**

**Summary**



Display  
Visual 36

**Taking the Exam**

Instructions:

1. Take a few moments to review your Student Manuals and identify any questions.
2. Make sure that you get all of your questions answered prior to beginning the final test.
3. When taking the test . . .
  - Read each item carefully.
  - Circle your answer on the test.
  - Check your work and transfer your answers to the computer-scan (bubble) answer sheet or enter the answers online.

→ You may refer to your Student Manuals and the annex when completing this test.

 **FEMA**  ESF #11 – Agriculture and Natural Resources  
IS-811 – February 2009  
Visual 36

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**Instructor Notes: Present the following key points.**

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Present the following instructions:

1. Take a few moments to review your Student Manuals and identify any questions.
2. Make sure that you get all of your questions answered prior to beginning the final test.
3. When taking the test . . .
  1. Read each item carefully.
  2. Circle your answer on the test.
  3. Check your work and transfer your answers to the computer-scan (bubble) answer sheet or enter the answers online.

Tell the participants that they may refer to their Student Manuals and the annex when completing this test.

**Important Instructor Note:** It is important that you allow the participants enough time for them to review the course materials prior to taking the exam. If time permits, you can facilitate a structured review of the materials using the following techniques:

- Assign each team a lesson and have them summarize and present the key points to remember.
- Select five to seven of the most critical points from each lesson. Present a brief review of these points. Ask questions to ensure that the participants remember the most important information.

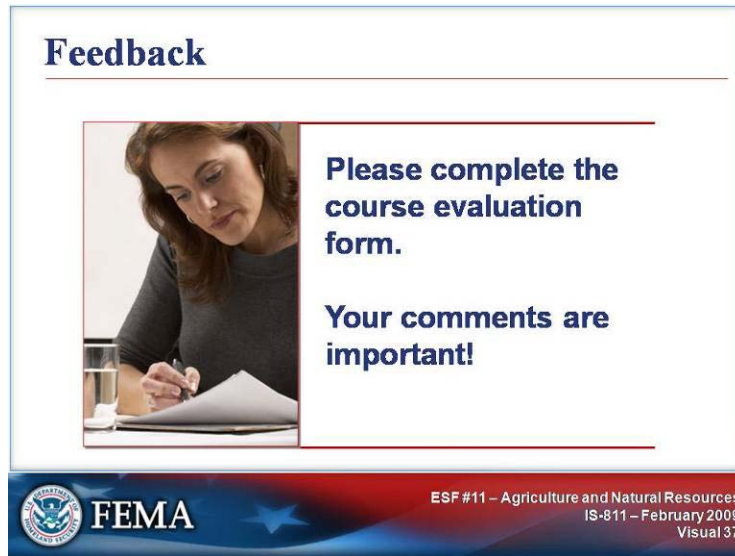
When the review is completed, distribute the exams. Remain in the room to monitor the exam and to be available for questions. Collect the completed exams.

**Instructor Note:** To receive a certificate of completion, students must take the 10-question multiple-choice posttest, submit an answer sheet (to EMI's Independent Study Office), and score 75% on the test. Explain that students may submit their tests online, and receive a certificate in the mail. Direct them to:

- Go to <http://training.fema.gov/EMIWeb/IS/> and click on the link for IS-801.
- Click on "Download Final Exam Questions" (found at the bottom of the page). You may want to print the test.
- Click on "Take Final Exam" (found at the bottom of the page).

Topic	Summary
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Display  
Visual 37



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**Instructor Notes: Present the following key points.**

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Ask the participants to complete any course evaluation/feedback forms. Use standard course evaluation forms from your agency or jurisdiction.



**ESF #11 – Knowledge Review**

1. Who serves as the coordinator for ESF #11?

**Answer: United States Department of Agriculture**

2. Read the following scenario, and then answer the question.

**Scenario:** A rural community has been hit hard by a series of tornadoes. Houses and businesses across several counties were destroyed, including the largest supermarket in the area. Roads are being cleared of debris, and damage assessments are being made. Two schools and a local church are housing families whose homes were destroyed.

What method of nutrition assistance would be the most suitable in this situation?

- ☐ Household distribution.
- ☐ **Provision of USDA commodity foods for congregate feeding.**
- ☐ Disaster Supplemental Nutrition Assistance Program (D-SNAP)

3. Match the activities with the ESF #11 Animal/Plant Disease and Pest Response support agencies that perform them.

Activities	Support Agencies
<b>E.</b> _____ Provides technical support for the decontamination of poultry houses after an exotic Newcastle disease outbreak.	A. Department of Homeland Security
<b>C.</b> _____ Facilitates the response to an outbreak of foot-and-mouth disease along the U.S.-Mexico border.	B. Department of the Interior
<b>E.</b> _____ Helps enforce a quarantine zone for citrus canker through inspection of mail packages.	C. Department of State
<b>B.</b> _____ Helps coordinate the response to an anthrax outbreak in wild big horn sheep.	D. Environmental Protection Agency
<b>A.</b> _____ Aids in the interdiction of contaminated meat entering the U.S. from Canada.	E. U.S. Postal Service



4. Decide if the following statement is **TRUE** or **FALSE**: ESF #11 would be responsible for investigating the source of contaminated soft drinks.

**Answer: False**

5. Match the activities with the ESF #11 NCH Protection support agencies that perform them.

<b>Activities</b>	<b>Support Agencies</b>
<b>A.</b> Provides assistance and technical advice to Federal agencies on compliance procedures for emergency response and recovery activities affecting historic resources.	A. Advisory Council on Historic Preservation
<b>D.</b> Coordinates the voluntary efforts of 40 national service organizations and Federal agencies to protect cultural heritage from the damaging effects of natural disasters and other emergencies.	B. Department of the Interior
<b>F.</b> Implements activities determined appropriate to restore fisheries and any other natural resources.	C. Federal Emergency Management Agency
<b>G.</b> Promotes stewardship of private lands.	D. Heritage Emergency National Task Force
<b>E.</b> Provides technical advice on the restoration of historic court documents.	E. National Archives and Records Administration
<b>B.</b> Provides technical advice to help protect and stabilize historic properties and cultural collections.	F. National Oceanic and Atmospheric Administration
<b>C.</b> Coordinates National Environmental Policy Act and National Historic Preservation Act compliance requirements for response, recovery, and mitigation activities.	G. Department of Agriculture

6. Read the following scenario, and then identify three potential actions that the State/FEMA might request be handled through ESF #11.

**Scenario:** As part of a coordinated attack on the United States, a previously unknown foreign terrorist group launched an attack on a nuclear reactor. With containment activities in progress, surrounding communities are being evacuated. Initial damage assessments report that radioactive material may have been released over a wide area, including over farmland and a nearby town's historic district. State authorities are asking for Federal assistance and guidance in coping with this incident.

**Sample Answers:**

- a. **Food and Nutrition Service (FNS): Respond to nutritional assistance needs.**
  - b. **Animal and Plant Health Inspection Service (APHIS): Respond within agency capabilities to help decontaminate and/or destroy animals, plants, and facilities (e.g., barns, processing equipment, soil, and feeding and growing areas).**
  - c. **Food Safety Inspection Service (FSIS): inspect meat, poultry, and egg products in affected areas to ensure they are safe, wholesome, and properly labeled.**
  - d. **Department of the Interior (DOI): Coordinate natural and cultural resources and historic properties (NCH) identification and vulnerability assessments.**
  - e. **APHIS: Support an integrated national-level response to provide for the safety and well-being of household pets.**
7. Use the space below to make note of any questions you have about the material covered in this course.