

# ASF Response Plan Infected/Positive Meat Harvest Facility

Euthanasia/Depopulation, Disposal, &

**Decontamination Procedures** 

May 15, 2023

Note: This ASF Response Plan: Infected/Positive Meat Harvest Facility template is intended to serve as a guide and be used when ASF presumptive or confirmed positive swine have been detected at the facility. This template is specific to harvest facilities that slaughter and further process swine. It must be amended as necessary to be specific to the single facility identified below. Attach any supplemental materials necessary and reference in each section as applicable.

Date: \_\_\_\_\_

Meat Harvest Facility Information Needed	
Facility Type	□ Federally Inspected □ State Inspected
	Custom Exempt
Network System	□ Integrated □ Independent
Animal types slaughtered ( <i>check all that apply</i> )	Market hogs Cull hogs Sows
	$\Box$ Other swine type $\Box$ Other species (specify):
Premises ID # (not FSIS Establishment #)	
Special ID (assigned by the Incident Management Team)	
State abbreviation, county, and site #	
Harvest Facility owner/manager	
Check if primary point of contact	
Name of facility	
Address and contact information of facility	
Corporate Office Information (if applicable)	
Name	
Address and contact information	
USDA FSIS Supervisory Public Health	
Veterinarian: name, address, contact information	
USDA FSIS Front Line Supervisor: name, address, contact information	
Live swine present on date of appraisal	
Swine type (market, sows, cull, etc.)	
Census	
Weight	
Age	
This document is a written agreement developed	d between USDA APHIS Veterinary Services (VS)

and \_\_\_\_\_\_ (Insert State initials) (hereafter, "the State" or "State") with input from \_\_\_\_\_\_\_ (Insert harvest facility/company owner). The meat harvest facility will be handled in accordance with the Initial State Response and

Containment Plan (ISRCP), the <u>USDA APHIS African Swine Fever Response Plan: The Red</u> <u>Book</u>, and the Code of Federal Regulations (CFR).

#### BRIEF HISTORY

Information Needed	
Clinical signs ( <i>brief</i> description)	
Date clinical signs were noted	
Date samples were collected	
Date presumptive positive test results were reported	
Date confirmatory positive test results were reported	
Date written harvest facility quarantine was issued	

THE MAIN TENETS OF THIS PLAN INCLUDE:

- Restricting movement,
- Investigating sources of infection,
- Euthanasia/depopulation of swine at the harvest facility,
- Disposal of carcasses and any other contaminated materials,
- Virus Elimination and Sanitation of the harvest facility, and
- Ensuring the harvest facility is decontaminated and reopening.

#### **REQUESTS FOR INDEMNITY/COMPENSATION FOR DISPOSAL AND VIRUS ELIMINATION ACTIVITIES**

In order for USDA APHIS to indemnify swine owner(s) impacted with ASF, USDA APHIS must approve any depopulation or destruction activities *before* euthanasia/depopulation or destruction of animals or materials occurs; <u>the *Appraisal and Indemnity Request Form* (ASF Appendices A1 and/or A2) must be completed and signed.</u> The value of the swine will be obtained from (a) a VS-prepared calculator based on the fair market value of the swine, and/or (b) receipts. If the harvest facility has not retained ownership of the animals, coordination of this effort will need to be done with the producer(s) that owns the impacted animals.

Before cleaning and disinfection of areas <u>outside of what is normally conducted in accordance</u> <u>with the harvest facility's existing FSIS or State protocols and defined under the facility's</u> <u>compliance with 9 CFR Part 416 or 21 CFR 507 FSMA</u>, the harvest facility will be inspected by the facility owner(s) and VS or State personnel to determine whether there are contaminated items for which the cost of cleaning and disinfection would exceed the value of the materials, or for which cleaning and disinfection would be impractical for another reason. The fair market value (used price) of these items will be determined by a State or VS appraiser with input from the facility. Prior written VS approval is required for destruction of items for which reimbursement will be claimed.

Any disposal of swine and cleaning and disinfection of the harvest facility, conveyances, and materials for which reimbursement is requested must be performed under a separate agreement between the claimant and VS. <u>The agreement, consisting of a detailed financial plan must be signed by all parties for any decontamination and disposal activities for which reimbursement is claimed.</u>

### ASF EMERGENCY RESPONSE DESIGNATIONS FOR MEAT HARVEST FACILITIES

Premises Status	Definition	Area or Zone
Free Premises (FP) Meat Harvest Facility in Free Area	Meat Harvest Facility outside of a Control Area and not a Contact Premises (CP) or Suspect Premises (SP).	Free Area
<b>Contact Premises (CP)</b> Meat Harvest Facility That Received Pigs from an Infected Premises	Meat Harvest Facility that received swine epidemiologically traced from an Infected Premises (IP) within the established contact trace period. Traced pigs may not be available for testing; if available, traced pigs tested negative for ASFv.	Free Area
Non-Infected Premises in a Control Area (PCA) Meat Harvest Facility Approved to Receive Swine from Inside/Outside the Control Area	Meat Harvest Facility objectively demonstrates that it is not an IP or SP. Facility meets a set of defined biosecurity criteria to receive susceptible animals or products from inside or outside of the Control Area.	Control Area
<b>Suspect Premises (SP)</b> <i>Meat Harvest Facility with Active ASF</i> <i>Investigation</i>	Meat Harvest Facility under investigation due to the presence of swine on premises reported to have clinical signs compatible with ASF. This is intended to be a short-term premises designation; after diagnostic testing, a SP will become either an IP (ASF detected), a FP (ASF not detected, facility not a CP or PCA), a CP (ASF not detected but swine were received from an IP), or a PCA (ASF not detected, facility is in a Control Area).	Control Area Free Area
Infected Premises (IP) Positive Meat Harvest Facility	Meat Harvest Facility where a presumptive positive case or confirmed positive case exists based on laboratory results, compatible clinical signs, ASF case definition, and international standards.	Infected Zone/ Control Area

#### ASF ZONE AND AREA DESIGNATIONS

Zone/Area	Definition	
Infected Zone	Zone that immediately surrounds an Infected Premises.	
Buffer Zone	Zone that immediately surrounds an Infected Zone or a Contact Premises.	
Control Area	Consists of an Infected Zone and a Buffer Zone. For an infected meat harvest facility, the Control Area may be the perimeter of the facility. Swine premises in a Control Area are under quarantine.	
Surveillance Zone	Zone outside and along the border of a Control Area. The Surveillance Zone is part of the Free Area.	
Free Area	Area not included in any Control Area. Includes the Surveillance Zone.	

#### **MOVEMENT RESTRICTIONS**

The verbal quarantine was issued by	(insert name of
animal health official) on	(insert date). The written quarantine document
was issued on	(insert date) and receipt was acknowledged by signature of
	(insert harvest facility owner, or representative).

THE QUARANTINE WILL NOT BE RELEASED BEFORE:

- completion of an epidemiologic investigation or it has reached an advanced enough stage of the investigation where approval can be granted before the investigation is officially complete,
- contaminated materials are decontaminated or removed in accordance with local and/or State regulations,
- the facility is cleaned and disinfected according to the measures outlined in the Virus Elimination and Sanitation section below, and
- the requirements for a Control Area release have been met.

#### **EPIDEMIOLOGIC INVESTIGATION**

A State or Federal veterinarian will conduct an investigation to identify potential pathways for ASF virus (ASFV) to enter or leave the harvest facility. An investigation should be initiated as soon as possible following the detection of ASF on this facility.

An <u>ASF Epidemiologic Questionnaire</u> will be provided and serves as a guide for identifying potential pathways of ASFV introduction onto the harvest facility and potential movement of ASFV off the facility. All sections of the form should be completed through direct conversation with the individual(s) most familiar with the management of the harvest facility. In addition to interviewing the harvest facility management, the veterinarian conducting the investigation may directly observe biosecurity and/or management practices.

Copies of completed investigations will be provided to the signatories of this plan. A meat harvest facility will receive approval to reopen before the epidemiological investigation is complete provided it meets the euthanasia/depopulation and cleaning and disinfection requirements.

#### **EUTHANASIA/DEPOPULATION**

*(Insert all or specify which subset of)* domesticated swine at the harvest facility will be euthanized/depopulated as quickly and humanely as possible. Until euthanasia/depopulation procedures are initiated, the responsible party will ensure that swine are treated humanely in accordance with 9 CFR 313, e.g., are provided with food, water, and appropriate environmental conditions. To minimize potential disease spread risks, facilities should slaughter remaining swine onsite (that pass FSIS antemortem inspection) within 3 days. This 3-day timeframe begins when the facility is notified of a non-negative ASF test result. The facility should work with the state animal health official (SAHO) if unforeseen circumstances prevent the ability to slaughter animals in this timeframe. No additional swine should be allowed to enter the harvest facility after notification of a non-negative ASF status while awaiting confirmation, or throughout slaughtering remaining swine onsite after confirmation, unless allowed by the SAHO. Any animals in transit to the meat harvest facility when the facility is notified of a non-negative ASF test may continue to the meat harvest facility and allowed to be processed if swine are healthy and pass FSIS inspection.

Workers don personal protective equipment (PPE). Before euthanasia/depopulation or disposal activities begin, the responsible party will designate a clean area and a dirty area and maintain biosecurity measures in these areas, with oversight by State or VS personnel.

#### **P**RIMARY RESPONSIBILITIES FOR LIVE SWINE TO BE EUTHANIZED/DEPOPULATED AND DISPOSED

- Euthanasia/depopulation will be,
  - the responsibility of □ harvest facility owner/company □ State and/or □ Federal agency (check responsible party), and
  - carried out by □ harvest facility owner/company □ 3<sup>rd</sup> party contractor □ State and/or □ Federal agency (*check party performing euthanasia/depopulation*), with oversight by VS and the State.
- Disposal will be,
  - the responsibility of □ harvest facility owner/company □ State and/or □ Federal agency (check responsible party), and
  - carried out by □ harvest facility owner/company □ 3<sup>rd</sup> party contractor □ State and/or □ Federal agency (*check party performing disposal*), with oversight by VS and the State.

Plan for an Infected Meat Harvest Facility

Swine	(insert will be/were) euthanized/depopulated using:	
		41

Euthanasia Method (select all that apply)	Euthanasia Start Date	Euthanasia Completion Date	State/VS Oversight
$\Box$ Carbon dioxide (CO <sub>2</sub> )			
Penetrating captive bolt			
□ Veterinarian-administered anesthetic overdose <sup>1</sup>			
Electrocution, head-to-heart			□ Yes
Gunshot			□ No
□ Other:			
<sup>1</sup> Regulations should be followed for management of chemical residues for rendered animals or any animal scavenging concerns associated with disposal.			

#### DISPOSAL

Wastes requiring disposal, including carcasses and associated materials that cannot be cleaned and disinfected, must be disposed of in accordance with local, State, and Federal regulations. Options for disposal may be limited; APHIS, State personnel, and subject matter experts will collaborate to determine best approaches that meet regulatory requirements. Amend the text below as necessary for this harvest facility to clearly describe the disposal methods and procedures used.

#### • Disposal of all dead swine.

With supervision by State and/or VS personnel, carcasses will be disposed of by *(choose all that apply):* 

- □ Composting on-site<sup>a,b</sup>
- □ Composting off-site<sup>a,b,c</sup>
- □ Burial<sup>c</sup>
- □ Shallow burial with carbon<sup>c</sup>
- □ Landfill<sup>c</sup>

- □ Rendering<sup>c</sup>
- □ Incineration<sup>c</sup>
- □ Incineration (energy from waste)<sup>c</sup>
- □ Burning (open/air curtain)<sup>c</sup>
- □ Burning (mobile gasifier or similar)<sup>c</sup>

<sup>a</sup> If composting is chosen as method of disposal, composted materials will be monitored by State and/or VS personnel to ensure virus destruction and to identify when material can be turned or removed from the facility.

<sup>b</sup> All composted material must remain at the harvest facility until considered safe to move by State and/or VS personnel. State and/or VS personnel will oversee, monitor, and document this process. Approved composted material may be *(insert disposal method)*:

- □ Spread on field
- □ Stored
- □ Other:\_\_\_\_\_
- □ N/A

<sup>c</sup> If moving materials off-site, list location here

 Manure, feed, bedding, and other organic debris onsite that require disposal and destruction and disposal of contaminated materials that can't be cleaned and disinfected.

These items will be disposed of by (choose all that apply):

□ Composting on-site<sup>a,b</sup>

□ Rendering<sup>c</sup>

 $\Box$  Composting off-site<sup>a,b,c</sup>

#### □ Burial<sup>c</sup>

□ Shallow burial with carbon<sup>c</sup>

- □ Incineration<sup>c</sup>
- □ Incineration (energy from waste)<sup>c</sup>
- Burning (open/air curtain)<sup>c</sup>
- □ Landfill<sup>c</sup>
- □ Burning (mobile gasifier or similar)<sup>c</sup>

<sup>a</sup> If composting is chosen as method of disposal, composted materials will be monitored by State and/or VS personnel to ensure virus destruction and to identify when material can be turned or removed from the facility.

<sup>b</sup> All composted material must remain at the harvest facility until considered safe to move by State and/or VS personnel. State and/or VS personnel will oversee, monitor, and document this process. Approved composted material may be *(insert disposal method)*:

- □ Spread on field
- □ Stored
- Other: \_\_\_\_
- □ N/A

° If moving materials off-site, list location here \_\_\_\_

List additional details regarding disposal activities as needed here:

#### **REDUCING THE RISK OF REINFECTION**

Any significant risk factors for the reintroduction of ASF must be addressed *prior to* the meat harvest facility reopening and receiving swine at the facility.

A site-specific harvest facility biosecurity protocol to be implemented as a condition of reopening will be developed and approved by regulatory State and VS personnel.

{Case managers/site managers should list significant risk factors here. Those would include significant biosecurity lapses including cross traffic between live operations and finished processing areas; cross traffic between live operations and employees}.

#### VIRUS ELIMINATION AND SANITATION OF THE MEAT HARVEST FACILITY

All contaminated structures, equipment, vehicles, and surfaces that have been in physical contact with affected swine or contaminated materials will be cleaned and disinfected following the depopulation/euthanasia or processing of remaining swine at the harvest facility. The responsible party listed below, in consultation with State or VS personnel, will prepare a site-specific cleaning and disinfection plan. State or VS personnel must approve the plan before implementation.

The elements of the site-specific cleaning and disinfection plan include the following; disinfection procedures will be overseen and documented by regulatory State and/or VS personnel:

Area of	Requirements	Primary Responsibilities	Sanitation/Virus Isolation Method
Establishment		**Check responsible parties	
Live Swine Unloading Area, Lairage Area, and Related Areas	<ul> <li>Virus elimination of contaminated structures and equipment.</li> <li>Cleaning must remove gross contamination, organic material, debris, and substances before a disinfection step is started (see <u>FAD</u> <u>PReP SOP 15. Cleaning and Disinfection</u> [2018] and <u>FAD PReP/NAHEMS Guidelines: <u>Cleaning and Disinfection</u> [2014]).</u></li> </ul>	Cleaning         harvest facility owner/company       State and/or         Federal agency (specify:)         Disinfection         harvest facility owner/company         State and/or         Federal agency (specify:)         Verifying Completion of Cleaning and Disinfection         Verifying Completion of Cleaning and Disinfection         State         VS or Incident Management Team         Other Federal agency (specify:)         C&D         C&D Verified and documented by VS and the State by         onsite observation/inspection         remote or virtual         observation/inspection         other (specify:) (check method(s) for verification)	Disinfection of structures and equipment will be conducted by: Wet disinfection with an EPA- registered product labeled for use against ASFV or other approved method. Specify product <sup>1</sup> or method used:
Food Processing Area <sup>2</sup>	• Immediately after processing of swine, sanitation of food processing areas that have been in contact with affected swine or contaminated materials.	Sanitation will be conducted in accordance with the harvest facility's existing FSIS or State protocols and defined under the facility's compliance with 9 CFR Part 416. Verifying Completion of Sanitation harvest facility owner/company  State Federal agency (specify:) (check party performing the verification) Sanitation completed, verified, and documented by VS and the State by onsite observation/inspection  remote or virtual observation/inspection  remote of documentation/records Other (specify:) (check method(s) for verification)	Sanitation will use EPA-registered products labeled for safe food contact defined under the facility's compliance with 9 CFR Part 416.

## Meat Harvest Establishment – Virus Elimination & Sanitation Requirements by Facility Area

<sup>&</sup>lt;sup>1</sup> Examples of approved products include but are not limited to: sodium dichloro-s-triazinetrione (Clearon Bleach Tablets, Klorsept, Klorkleen, or Klorkleen 2), sodium chloride/potassium peroxymonosulfate (Virkon S), sodium hypochlorite, citric acid, Virocid, Accel.

<sup>&</sup>lt;sup>2</sup> Excludes product that has passed FSIS inspection.

ASF Response Plan Plan for an Infected Meat Harvest Facility

Area of	Requirements	Primary Responsibilities	Sanitation/Virus Isolation Method
Establishment		**Check responsible parties	
Onsite Rendering Area <sup>3</sup>	<ul> <li>Immediately after rendering of swine, sanitation of all equipment and supplies used for rendering.</li> </ul>	□ check if not applicable Sanitation will be conducted in accordance with the harvest facility's existing FSIS or State protocols and defined under the facility's compliance with 21 CFR 507 FSMA.	Sanitation will use EPA-registered products defined under the facility's compliance with 21 CFR 507 FSMA.
		Verifying Completion of Sanitation         □ harvest facility owner/company □ State □ Federal agency         (specify:) (check party performing the verification)         Sanitation completed, verified, and documented by VS and the State by:         □ onsite observation/inspection □ remote or virtual         observation/inspection □ review of documentation/records         □ other (specify:) (check method(s) for verification)	
Onsite Blood/Plasma Collection Areas <sup>3</sup>	• Immediately after whole blood collection, sanitation of all equipment and surfaces that blood has come into contact with, including storage silos after they are emptied of blood/plasma.	□ check if not applicable         Sanitation will be conducted in accordance with the harvest facility's existing FSIS or State protocols and defined under the facility's compliance with 21 CFR 507 FSMA.         Verifying Completion of Sanitation         □ harvest facility owner/company □ State         □ Federal agency (specify:) (check party performing the verification)         Sanitation completed, verified, and documented by VS and the State by         □ onsite observation/inspection □ remote or virtual         observation/inspection □ review of documentation/records         □ other (specify:) (check method(s) for verification)	• Sanitation will use EPA-registered products defined under the facility's compliance with 21 CFR 507 FSMA.

<sup>&</sup>lt;sup>3</sup> Rendered and blood products going into animal feed will be reviewed and cleared by FDA to enter commerce. **8** of **10** 

# ASF Response Plan

Plan for an Infected Meat Harvest Facility

Area of	Requirements	Primary Responsibilities	Sanitation/Virus Isolation Method
Establishment		**Check responsible parties	
Vehicles and Trailers in ASF Risk Areas <sup>4</sup>	<ul> <li>Vehicles/trailers currently located at the meat harvest facility after the facility is notified of its Infected Premises status AND are located in ASF Risk Areas, OR vehicles/trailers that arrive at the facility after it is notified of its Infected Premises status AND enter ASF Risk Areas, will require virus elimination BEFORE visiting another swine premises.</li> <li>For the above specified vehicles/trailers, virus elimination of their internal and/or external components that may have been exposed to infected swine or contaminated materials/ areas of the facility (e.g., wheels, wheel wells, tires, undercarriage, ramp, etc.). Internal vehicle/trailer components include equipment/tools used in holding, handling, or transporting swine if they were also potentially exposed to infected swine or contaminated materials/ areas of the facility.</li> <li>Virus elimination of internal and/or external components of the specified vehicles/trailers will be required until the meat harvest facility's Infected Premises status is released by regulatory State and VS personnel.</li> <li>Cleaning must remove gross contamination, organic material, debris, and substances before a disinfection step is started (see FADPReP SOP: 15. Cleaning and Disinfection [2018] and FAD PReP/NAHEMS Guidelines: Cleaning and Disinfection [2014]).</li> </ul>	Cleaning         □ truck/trailer owner □ harvest facility owner/company         □ 3rd party contractor □ State and/or         □ Federal agency (specify:) (check responsible party),         Carried out by         □ truck/trailer owner □ harvest facility owner/company         □ 3rd party contractor □ State and/or □ Federal agency         (specify:) (check party performing cleaning), with         oversight by VS and the State, and performed         □ onsite □ offsite (specify location:).         Disinfection         □ truck/trailer owner □ harvest facility owner/company         □ 3rd party contractor □ State and/or □ Federal agency         (specify:) (check responsible party),         Carried out by         □ truck/trailer owner □ harvest facility owner/company         □ 3rd party contractor □ State and/or □ Federal agency         (specify:) (check responsible party),         Carried out by         □ truck/trailer owner □ harvest facility owner/company □ 3rd party         contractor □ State and/or □ Federal agency (specify:) (check         party performing disinfection), with         oversight by VS and the State, and performed         □ onsite □ offsite (specify location:).         Verifying Completion of Cleaning and Disinfection (C&D)         □ State □ VS or Incident Management Team	Disinfection of structures and equipment will be conducted by: Wet disinfection with an EPA- registered product labeled for use against ASFV or other approved method. Specify product <sup>5</sup> or method used: Other APHIS approved disinfection method (e.g., heat disinfection/baking) Specify method used: 

<sup>&</sup>lt;sup>4</sup> ASF Risk Areas are meat harvest facility areas that may have been exposed to ASF infected swine or contaminated materials.

<sup>&</sup>lt;sup>5</sup> Examples of approved products include but are not limited to: sodium dichloro-s-triazinetrione (Clearon Bleach Tablets, Klorsept, Klorkleen, or Klorkleen 2), sodium chloride/potassium peroxymonosulfate (Virkon S), sodium hypochlorite, citric acid, Virocid, Accel.

#### **ENSURING THE MEAT HARVEST FACILITY IS DECONTAMINATED AND REOPENING**

#### 1. Verifying completion of virus elimination and sanitation

- a. Following harvest and depopulation, the harvest facility will remain free of swine until the virus elimination and sanitation requirements are verified by the responsible parties identified above and approved by regulatory State or VS personnel.
- b. After approval, the harvest facility will be considered decontaminated.

#### 2. Reopening

- a. The meat harvest facility may request permission to reopen after completing decontamination, implementing the site-specific biosecurity protocol, and receiving approval from the regulatory State and VS personnel. (States may have additional requirements added here, based on their ISRCP.)
- b. Regulatory State and VS personnel must concur in writing prior to reopening. If reopening occurs without prior written approval of State and VS officials, then the harvest facility will be in violation of the guarantine and subject to penalties.

#### 3. Control Area Release

- a. If the meat harvest facility is the only Infected Premises within a 5 km area, or not within another Control Area, then the Control Area will be the perimeter of the meat harvest facility and the Control Area will be released after completion of virus elimination and sanitation of the facility. Once the Control Area is released, the meat harvest facility's premises status will change from Infected Premises to a Free Premises and the quarantine will be lifted.
- b. If the meat harvest facility is in a Control Area with other Infected Premises, then the Control Area Release will be based on requirements for all Infected Premises. For infected swine production sites, the minimum time a Control Area is released is two incubation periods (30 days) after disposal and virus elimination requirements are completed on the last Infected Premises. After completion of virus elimination and sanitation of the facility, the meat harvest facility's premises status will change from Infected Premises to Non-Infected Meat Harvest Facility in a Control Area. The meat harvest facility will follow requirements in the ASF Response Plan: Procedures for Non-Infected Meat Harvest Facility in a Control Area. Once the Control Area is released, the meat harvest facility's premises status will change to a Free Premises and the quarantine will be lifted.

#### 4. Post-Quarantine Monitoring after Release of the Control Area

All post-quarantine abnormal mortality or any suspicion of ASF should warrant an immediate notification to the State Animal Health Official or Area Veterinarian In-Charge.

#### OWNER/FACILITY MANAGEMENT:

Signature:	Date:
□ VS INCIDENT COMMANDER OR □	VS DISTRICT DIRECTOR/AREA VETERINARIAN IN CHARGE:
Signature:	Date: Date:
Signature:	Date: