

Instruction Page For
 Enhanced Biosecurity Plan for Pork Production:
Animals Raised Indoors
Template

**For instructions only, delete this page when you finish your plan.**

The Biosecurity Manager is responsible for developing the biosecurity plan **with the assistance of the herd veterinarian** (if the Biosecurity Manager is not a veterinarian). This document is a template to assist the Biosecurity Manager in developing a site-specific, enhanced biosecurity plan for their production site. Each item from the Secure Pork Supply Plan Self-Assessment Checklist for Enhanced Pork Production Biosecurity: Animals Raised Indoors is included. The Biosecurity Manager should keep all items that apply to the production site, modify them by replacing the [EXAMPLE TEXT] with information specific to the site, and delete information that does not apply as well as all highlighted text. Including additional information that best describes how this site meets each of the checklist items is encouraged. A labeled premises map must be included in this plan. Standard Operating Procedures (SOPs) may also be needed and should be available on the site, but do NOT need to be included in this written biosecurity plan. State Animal Health Officials or the manager of the destination site may want to review this biosecurity plan to determine if acceptable biosecurity measures have been implemented. Additional documents are available at www.securepork.org.

[NAME OF SITE] Enhanced Biosecurity
Plan for FAD Prevention in [STATE]

Date [CREATED OR UPDATED]: [Date MM/DD/YYYY]

This Biosecurity Plan is based off of the Secure Pork Supply (SPS) Self-Assessment Checklist for Enhanced Pork Production Biosecurity: Animals Raised Indoors, [August 2017] and was developed using guidance from the SPS Information Manual for Enhanced Biosecurity: Animals Raised Indoors. All documents are available at [www.securepork.org](http://www.securepork.org). In the Plan below, all items have been implemented except those indicated which will be implemented prior to requesting an animal movement permit.

### Scope of Biosecurity Plan

* National Premises Identification Number (Prem ID or PIN): [PIN] (request from the office of the State Animal Health Official)
* Premises Address: [A VALID 911 ADDRESS]
* Premises GPS Coordinates: [LATITUDE, LONGITUDE]
* Animals\* on primary premises: [ALL SPECIES] and [NUMBER OF ANIMALS]
* Other business operations on premises? [YES OR NO]
If yes, what? [E.G. VEGETABLE STAND; SALE OF FEED, FERTILIZER, OR COMPOST]
* Secondary premises\*\* locations: [LIST THE PINS, 911 ADDRESSES, OR GPS COORDINATES (LATITUDE, LONGITUDE) WHERE ANIMALS ASSOCIATED WITH THIS OPERATION RESIDE (E.G., AFFLIATED PREMISES)]
	+ Will be provided to Responsible Regulatory Officials if this premises is located in an FAD Control Area
	+ \*Work with your State Animal Health Official to determine if separate PINs are needed for all of your associated premises.

\*Animals that are susceptible to FMD include cattle, pigs, sheep, goats, and elk. For biosecurity guidance for dairy cattle and beef cattle, see [www.securemilksupply.org](http://www.securemilksupply.org) and [www.securebeef.org](http://www.securebeef.org).

\*\*Work with your State Animal Health Official to determine if separate PINs are needed for all of your associated premises. When a premises becomes infected, all premises with the same PIN number will be considered to be infected.

## Biosecurity Manager and Written Plan

The **designated Biosecurity Manager** for this site and their contact information follows:

NAME:

PHONE: [xxx-xxx-xxxx]

 EMAIL: [EMAIL ADDRESS]

In the event the Biosecurity Manager is away from the site, **their designee’s** contact information is:

 NAME:

PHONE: [xxx-xxx-xxxx]

 EMAIL: [EMAIL ADDRESS]

The Biosecurity Manager’s contact information is posted [DESCRIBE WHERE LOCATED].

[PERSON ONE NAME] and [PERSON TWO NAME] have the written authority to ensure compliance with biosecurity protocols and take corrective action as needed.

[NAME] developed the site-specific biosecurity plan with the assistance of (Keep all that apply):

* [NAME], a licensed veterinarian whose contact information is:

 PHONE: [xxx-xxx-xxxx]

 EMAIL: [email address]

* [NAME], a consultant with [NAME OF COMPANY] whose contact information is:

PHONE: [xxx-xxx-xxxx]

EMAIL: [EMAIL ADDRESS]

The Biosecurity Manager or their designee (check all that apply):

[ ]  communicates with and/or trains individuals entering on biosecurity measures to follow;

[ ]  reviews the biosecurity plan at least annually and updates it whenever the site goes through a change affecting biosecurity;

[ ]  ensures that all individuals entering the site frequently (weekly or more often) have access to a copy of the biosecurity plan;

[ ]  is capable of implementing the written plan if FMD, CSF, or ASF is diagnosed in the U.S.; and

[ ]  has the authority to take corrective action, as needed, when biosecurity protocols are not followed.

A labeled premises map is included at the end of this plan and can be found on the premises at: [describe where].

## Training

The people listed below are trained at least [SEMIANNUALLY, ANNUALLY] about the biosecurity measures necessary to keep an FAD out of the herd. This training is documented and available for review upon request.

 [List positions such as Biosecurity Managers, animal caretakers]

The Biosecurity Manager(s) informs individuals entering the site of the biosecurity measures they are to follow in a language they understand. Individuals are aware of the biosecurity concepts and procedures that apply to their specific areas of responsibility. Our required training is described below.

All individuals entering must understand how to:

 [ ]  Contact the Biosecurity Manager(s)

 [ ]  Respect the Perimeter Buffer Area (PBA)

 [ ]  Cross the Line of Separation (LOS), if required, following arrival and biosecure entry
requirements

 [ ]  Perform biosecurity measures for their specific job duties

In addition, employees must:

 [ ]  Undergo biosecurity training prior to starting to work at the site;

[ ]  Understand the importance of biosecurity;

 [ ]  Review the entire biosecurity plan;

 [ ]  Review the labeled premises map;

 [ ]  Know who to report to if they see someone not complying or something preventing compliance; and

 [ ]  Recognize the consequences for not complying with biosecurity protocols.

Communication occurs with drivers, delivery and service personnel, veterinarians, livestock transporters, and visitors through the following methods:

 [ ]  phone calls, text messages, emails, faxes

 [ ]  a premises map highlighting the route drivers are to follow upon entering the site

## Protecting the Pig Herd

### Site Entry

Entry to the site (such as driveways) is restricted to [NUMBER] site entries and each are labeled on the premises map at the end of this plan.

(Pick one, modify, delete the other)

* Each entry point, including unused entries, is protected with a suitable barrier consisting of [DESCRIBE BARRIERS SUCH AS GATES, ROPES, OR CABLES] to restrict entry.
* The barrier including [DESCRIBE THE BARRIER SUCH AS GATES, ROPES, OR CABLES] is in place between the residence and the hog buildings because the entry to the residence cannot be restricted.

The entry point is secured with [DESCRIBE IF LOCKED OR THE TYPE OF BARRIER WHICH RESTRICTS ACCESS].

Signs written in [LIST LANGUAGES PROVIDED] are posted at the site entry that include (delete what does not apply) [BIOSECURITY MANAGER’S PHONE NUMBER; BIOSECURITY PROTOCOLS FOR ENTERING; WHERE TO FIND BIOSECURITY PROTOCOLS FOR ENTERING].

### Perimeter Buffer Area (PBA)

The Perimeter Buffer Area is labeled on the premises map at the end of this plan. The PBA is marked on-site with [describe (e.g. fencing and/or a rope between marked poles)].

### PBA Access Point(s)

Entry to the PBA is restricted to [number] controlled PBA Access Point(s) and each are labeled on the premises map at the end of this plan. The PBA Access Points are clearly marked with a suitable barrier of [Describe barriers such as a fence, ropes or cables] to restrict entry.

Signs written in [list languages provided] are posted at all PBA Access Points that include (delete what does not apply) [Biosecurity Manager’s phone number; biosecurity protocols for entering; where to find biosecurity protocols for entering].

All movements (animals, vehicles, equipment, people) which enter the PBA are recorded and these documents are kept in the [describe where] and are available for review upon request.

Deliveries are made outside of the PBA at the [describe where] and this area is indicated on the premises map and signage posted at the PBA Access Point.

Vehicles and equipment entering the PBA Access Points are cleaned to remove visible contamination and then disinfected at the Cleaning and Disinfection Station.

People and items crossing through the PBA Access Points follow appropriate specific biosecurity steps, described under Biosecure Entry Procedure in this plan.

### Cleaning and Disinfection (C&D) Station

There is an operational, clearly marked, and equipped C&D station(s) located [DESCRIBE WHERE] and it is labeled on the premises map at the end of this plan. The wash pad for the C&D station is made of [DESCRIBE THE SURFACE – PAVED, GRAVEL, PLASTIC LINED] and slopes away from animal housing, feed receiving or storage areas, waterways, and on-farm traffic areas. This site uses [DRAINAGE DITCHES, BERMS, OR OTHER PHYSICAL BARRIERS] to manage runoff from the C&D area to ensure susceptible animals are not exposed. Runoff from the C&D Station is managed following all state and local regulations.

This site has access to all the equipment and supplies needed to successfully operate the C&D Station. The SOP for the C&D process is available upon request.

The following individuals have received documented training in proper selection and use of personal protective equipment, the principles of C&D to avoid introducing an FAD virus on the site, and are able to effectively operate the C&D Station.

* [Name]
* [Name]
* [Name]

In the case of inclement weather (freezing temperatures, thunderstorms, high winds) when the C&D Station cannot be operated, we have the following contingency plans to ensure vehicles do not bring visible contamination onto our site:

* [Describe alternatives- many examples exist in the Information Manual].

### Designated Parking Area

The designated parking area is clearly marked onsite with [ROPES, SIGNS, ETC.] and labeled on the premises map at the end of this plan. It is located outside of the PBA and away from animal areas.

### Line of Separation (LOS)

The Line of Separation is labeled on the premises map at the end of this plan.

### LOS Access Point(s)

Entry to the LOS is restricted to [NUMBER] controlled LOS Access Point(s) and each are labeled on the premises map at the end of this plan. The LOS Access Points are clearly marked with [DESCRIBE METHOD SUCH AS A BENCHES, SPRAY PAINT, DUCT TAPE, SHOWERS].

Signs written in [LIST LANGUAGES PROVIDED] are posted at all LOS Access Points that include (delete what does not apply) [BIOSECURITY MEASURES TO FOLLOW].

All movements (animals, equipment, supplies, people) which cross the LOS are recorded and these documents are kept in the [DESCRIBE WHERE] and are available for review upon request.

The designated animal loading/unloading area is labeled on the premises map at the end of this plan and this is NOT used for a people entry point unless there is no alternative.

People crossing the LOS Access Points follow appropriate specific biosecurity steps, described under Biosecure Entry Procedure in this plan.

Biosecurity measures taken when food, personal items, equipment, and supplies cross the LOS include [DESCRIBE BIOSECURITY MEASURES HERE SUCH AS CLEANING AND DISINFECTING, USING ULTRAVIOLET LIGHT OR FUMIGATION ETC].

### Securing the Buildings

[NAME(S)] is/are responsible for ensuring the buildings are locked.

## Vehicles and Equipment

### Vehicles and Equipment (non-animal transport)

All vehicles and equipment not containing live animals are cleaned to remove visible contamination and effectively disinfected prior to crossing the PBA; otherwise entry is prohibited.

Concerning the sharing of equipment with other sites: (Pick one, modify, delete the other)

☐ Equipment is shared with other sites within the system only when necessary and steps are taken to clean and effectively disinfect equipment prior to crossing the PBA.

☐ Equipment used on this site is not shared with equipment from other sites.

### Livestock Trucks/Trailers (animal transport vehicles)

All empty animal transport vehicles are cleaned and disinfected prior to arrival at the site (outgoing loads) or before animals are loaded for delivery to the site (incoming loads).

Animal transport vehicles containing animals that are not being unloaded at this site are not allowed to cross the PBA. (Pick one, modify, delete the other)

 ☐ The PBA starts at the outer edge of the chute so the truck does not enter the PBA.

☐ The PBA is relocated while animals are unloaded. After the truck leaves, the PBA is re-established and the surface is C&D. If surface is cannot be C&D, then an adequate amount of lime is applied to cover the area.

☐ Internal transport shuttles are utilized to transport animals from the edge of the PBA to the buildings’ LOS Access Point.

## Personnel

### Prior to Arriving at the Site

The Biosecurity Manager ensures that everyone who needs to cross the LOS has been instructed on to arrive at the site:

* with a clean vehicle interior (free of all animal manure/excrement) that has not become contaminated by soiled clothes, footwear, or other items
* having showered and wearing clean clothing and footwear since last contacting susceptible animals.
	+ For individuals that work with animals and live on-site, showering and changing into clean clothing/footwear before leaving the house is required.
	+ For individuals living off-site, after showering and changing into clean clothes and footwear, they must NOT contact animals, live or dead, or facilities where they are held prior to arrival at the site.
* informed of the biosecurity measures they are to take once they arrive.

These individuals have a signed Employee and Visitor Arrival Agreement on file agreeing to follow our biosecure entry procedures (described below).

### Entry Logbook

Everyone crossing the LOS Access Point(s) completes the entry log, which is located [location], unless they are a scheduled worker.

The entry log is monitored by [individual responsible] on the site to ensure accurate completion.

The contact information and work schedule records for all workers are maintained and posted [location].

### Biosecure Entry/Exit Procedure

When entering the PBA, all individuals must:

* Put on disposable or disinfectable footwear
* Put on gloves or apply hand sanitizer

All deliveries and items entering the PBA are recorded in the \_\_\_\_\_ log.

Vehicles and equipment entering the PBA need to be cleaned and disinfected (Vehicles are addressed in Section 6: Vehicles and Equipment).

All individuals crossing the LOS must:

* Shower in and shower out (delete if does not apply to this site)
* Put on site-specific coveralls or clothing and footwear at the LOS Access Point.

o Absolutely no street clothes not completely covered by site-specific coveralls/hats/accessories are allowed past the LOS.

* Wash hands, apply hand sanitizer, or put on disposable or disinfectable gloves (delete if site utilizes shower facilities)
* The same procedure is in reverse when crossing back across the LOS from the pig side of the LOS, leaving site-specific clothing or coveralls and footwear inside the LOS.

(modify or delete this section below if doesn’t apply)

This site includes multiple pig buildings that do not have an area for employees to change into site-specific clothing. Therefore, we take the following steps:

* Site-specific clothing or coveralls and footwear are put on and hands are washed when entering the PBA in [EXPLAIN LOCATION];
* Individuals walk in the PBA to each separate building;
* The LOS is located just inside the door of a finisher building where there is not room for a bench or room to store coveralls. The following steps are taken in each building:
	+ Individuals remove footwear and cross the LOS
	+ Hands are washed, OR Gloves are put on
	+ Building-specific footwear is put on
* The same procedure is in reverse when crossing back across the LOS from the pig side of the LOS.

## Animal and Semen (if Applicable) Movement

### Incoming Animals and Semen

Pigs come only from sources with documented, enhanced biosecurity practices that align with our biosecurity practices and have no current or previous evidence of the FAD viruses. Diagnostic testing of animals as requested by the Responsible Regulatory Officials is negative.

(modify or delete the following section as it will only apply to sites receiving semen)

The Biosecurity Manager will ensure that any semen **arriving** after the FAD has been diagnosed in the U.S. will be handled as follows:

[ ]  Semen is purchased only from sources with documented biosecurity practices that align with our biosecurity practices.

[ ]  Semen has tested negative for the virus.

[ ]  Semen arrives in containers that can be cleaned and disinfected effectively to minimize the risk of virus contamination.

[ ]  The source herd documents Active Observational Surveillance for at least 7 days prior to movement of product.

(modify or delete the following section as it will only apply to sites distributing semen)

The Biosecurity Manager will ensure that any semen **collected** after the FAD has been diagnosed in the U.S. will be handled as followed:

[ ]  Frozen or chilled semen is held on the site until the semen tests negative for the virus by PCR. If the animals are healthy and the semen tests negative for the virus, the semen may be shipped.

[ ]  Semen is transported in disposable containers or those with exteriors that can be cleaned and effectively disinfected as it crosses the LOS.

[ ]  The source herd must document Active Observational Surveillance for at least 7 days prior to movement of product.

### Pre-movement Isolation Period

(pick any that apply, delete the other)

[ ]  We do not accept animals from operations within an FMD Control Area.

**OR**

[ ]  We **do not move** animals to another production site with susceptible animals for at least [7 days] after receiving animal from an FAD Control Area.

 **AND/OR**

[ ]  We **only accept** animals from an operation in the FMD Control Area that has not received any animals from another production site with susceptible animals for at least [7 days].

### Contingency Plan for Interrupted Animal Movement

In the event animal movement is stopped for several weeks, this is our plan for managing animals in a biosecure manner: (keep and modify all applicable statements, delete the others)

 [ ]  Cull animals will be humanely euthanized and properly disposed of on the operation (described under Carcass Disposal below).

 [ ]  Housing, feed, and healthcare equipment are available for [Number] of market ready pigs for a period of [xx days, weeks]. A contingency plan has been established for ration formulation, transport and market of animals that are at, approaching, or have exceeded market weight.

 [ ]  Our plan to manage weaned or nursery aged pigs:

 [ ]  There is enough housing and feed available for [Number] of pig for a period of [xx days, weeks or months].

 [ ]  Humane euthanasia equipment and supplies are available if needed.

### Loading Animals

Animals leaving the site only move in one direction across the LOS at an Access Point labeled on the premises map at the end of this plan. All areas inside the LOS that become contaminated by individuals or animals loading are cleaned with detergent and effectively disinfected by trained personnel after loading is complete. The SOP for the C&D process is available upon request.

(Select one and delete the other)

[ ]  The animal loading/unloading area is NOT a people entry point.

**OR**

[ ]  Individuals enter each finisher building through the one main entry that is also used for animal loading/unloading.

The following individuals have received documented training in proper selection and use of personal protective equipment, the principles of C&D to avoid introducing an FAD virus to the site, and are able to effectively C&D the loading area:

* [Name]
* [Name]
* [Name]

## Carcass Disposal

In an FAD outbreak, dead animals (normal mortality numbers) are disposed of by [LIST METHOD OF DISPOSAL, E.G., BURIAL, INCINERATION, COMPOSTING] in a way which prevents the attraction of wildlife, rodents, and other scavengers, and is in accordance with state and federal laws. Routes for carcass movement and disposal are labeled on the premises map at the end of this plan.

(Pick one, modify, delete the other)

 ☐ Dead animals are disposed of within the PBA using [LIST METHOD].

☐ Dead animals are disposed of onsite but outside of the PBA.

☐ Rendering trucks and other vehicles hauling dead animals to a common disposal site do not enter the PBA.

In the event of a large number of mortalities unrelated to the FAD infection (toxicity, heat stress, etc.), dead animals will be disposed of by [LIST METHOD] which also prevents the attraction of wildlife, rodents, and other scavengers, and is in accordance with state and federal laws.

## Manure Management

Manure is stored [DESCRIBE HOW – LAGOON, DEEP PITS, ETC.]

In the event of a prolonged outbreak, we can store manure for [DAYS, WEEKS, MONTHS]. After that time, the method for manure removal is [METHODS]. This will prevent exposure of susceptible animals and meet state, local and Responsible Regulatory Officials regulations.

(Pick one, modify, delete the other)

 ☐ Site-specific dedicated manure handling equipment used within the PBA is not shared with other sites.

**OR**

 ☐ All manure handling vehicles and equipment from other sites is cleaned to remove all manure and disinfected with either heat or a chemical disinfectant followed by drying. In the event that manure handling equipment from another location cannot be effectively C&D, a plan to temporarily modify the PBA near the manure storage facility during manure removal is in place. The affected areas are cleaned and disinfected before returning to the original PBA.

All manure handling personnel must have showered and changed into clean clothes and footwear prior to arriving at the site. These expectations have been communicated to contract companies, and signed and dated when read. This communication is kept on file here: [LOCATION].

## Rodent, Fly, Wildlife, and Other Animal Control

### Rodent and Fly Control

The following rodent and fly control measures are in place

(pick one of the following, modify then delete the other)

 [ ]  This site utilizes [method(s)] to discourage rodent movement and has designated [individual’s name] as the rodent control monitor responsible for implementing the rodent control plan. Bait is checked [frequency] by [individual’ name] and replaced as needed. This protocol is in accordance with state and local regulations for controlling rodents.

 **OR**

 [ ]  This site works with [professional rodent company] and has [invoices or documentation logs] describing the frequency and observations by the company representative. This protocol is in accordance with state and local regulations for controlling rodents.

[ ]  This operation utilizes [method(s)] for fly control and has designated [individual’s name] as the fly control monitor responsible for implementing the fly control plan. This protocol is in accordance with state and local regulations for controlling flies.

[ ]  Weeding and grass control is done [describe frequency].

[ ]  The sanitation of general office areas is completed [frequency].

[ ]  Trash is removed every [frequency]. In an outbreak, the garbage truck [would/would not] cross the PBA.

### Wildlife and Other Animal Control

The following control measures are in place to minimize an animal from entering the buildings.

 [ ]  This operation utilizes [method(s)] to discourage animal entry and has designated [individual’s name] as the individual to monitor.

[ ]  Dogs, cats, and other pets are NOT allowed to enter the buildings.

(pick one and delete the other)

[ ]  Bird netting is used to keep birds out of the building.

**OR**

[ ]  The buildings are totally enclosed so birds cannot enter.

## Feed

Grain and feed commodities are delivered in trailers that are covered during transport.

In an outbreak, feed trucks delivering feedstuffs or finished feed would

☐ Feed is augered into feed bins or bagged feed is unloaded without feed trucks entering the PBA.

**OR**

☐ Feed trucks are cleaned and disinfected prior to entering the PBA to fill feed bins or to unload bagged feed.

Feed spills are cleaned up and disposed of as soon as possible to minimize attraction of wildlife and rodents.

Feed spills clean-up and disposal is monitored by [describe who].

# Labeled Premises Map

Premises Address: [911 ADDRESS]

PremID or PIN: [list]

Label your premises map with the following:

Perimeter Buffer Area (PBA)

PBA Access Point(s)

Line of Separation (LOS)

LOS Access Point(s)

Vehicle cleaning and disinfection (C&D) station(s)

Designated parking area

 Carcass disposal/pickup location

Carcass removal pathways

Vehicle movements (animal transport vehicles, deliveries, etc.)

Site Entry

This is an example map- replace with a labeled premises map of your site.


