Secure Pork Supply Plan: Biosecurity Overview

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Today’s Discussion

• Enhanced Biosecurity
  – Review main SPS biosecurity concepts
  – Discuss creating a site map and writing site-specific biosecurity plans
  – Cover inputs and outputs to consider when writing the plans
  – Review employee training
  – Introduce assignment for in-person workshop
Main Biosecurity Concepts

Protecting Your Pigs

UK farmers with good biosecurity procedures were 5 times less likely to become infected

Unpublished research: Carlisle Epidemiology Team, DEFRA UK 2001 Outbreak
Biosecurity

- Producers responsibility
  - Protect their herds by keeping the disease off the farm
- Regulatory Officials responsibility
  - Protect the US herd by keeping the disease from spreading

Enhanced Biosecurity

Four concepts emphasized
- Biosecurity Manager
- Written site-specific biosecurity plan
- Defined Perimeter Buffer Area (PBA)
- Defined Line of Separation (LOS)
Biosecurity Manager

• Understand infectious diseases and production animal agriculture, familiar with facility
• Use the Self-Assessment Checklist and Info Manual for Enhanced Biosecurity
• Write site-specific biosecurity plan  
  – With assistance of herd veterinarian
• Responsible for employee training
• Ensure compliance on the site

SPS Plan: Biosecurity

Create a Site-Specific Enhanced Biosecurity Plan

• Explain how site meets all biosecurity measures listed in checklist
Creating Site Map, Writing Enhanced Biosecurity Plan

SPS Plan: Biosecurity

Routine biosecurity is not enough Enhanced Biosecurity

ENHANCED BIOSECURITY FOR PORK PROD ANIMALS RAISED I

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Enhanced Biosecurity Self-Assessment Checklist

- Biosecurity Manager and Written Plan
- Training
- Protecting the Pig Herd
- Vehicles and Equipment
- Personnel
- Animal and Semen Movement
- Carcass Disposal
- Manure Management
- Rodent, Wildlife, and Other Animal Control
- Feed

In place  In progress  Not In place

SPS Plan: Biosecurity

Self-Assessment Checklist for Enhanced Pork Production Biosecurity: Animals Raised Indoors

Target Audience
This document contains information about the requirements to prevent the spread of diseases among pigs. It is intended for use by pork producers, veterinarians, and biosecurity professionals.

Introduction
In the United States, the Secure Pork Supply Plan (SPS) is a voluntary program that provides guidelines for biosecurity practices in pork production. The SPS is designed to reduce the risk of disease transmission, including Porcine Reproductive and Respiratory Syndrome (PRRS), classical swine fever (CSF), and African swine fever (ASF).

During the preproduction phase, it is the producer's responsibility to ensure that prevention and early detection of diseases is maintained. Good Biosecurity Management Plan (BMP) practices, as defined in the BMP, are implemented to prevent the introduction of disease into the farm. This document provides guidance for producers on how to implement BMPs to reduce the risk of disease transmission.

Summary
Biosecurity practices are essential for the health and welfare of pigs and for the prevention of disease transmission. Implementing BMPs can help to reduce the risk of disease transmission and maintain a healthy herd.

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Enhanced Biosecurity Templates

- For sites that do not currently have a biosecurity plan
- Available as type-in or write-in formats
- Guide producers through writing an enhanced biosecurity plan

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Information Manual

- Additional resource
- In-depth approaches

INFORMATION MANUAL FOR ENHANCED BIOSECURITY FOR PORK PRODUCTION: ANIMALS RAISED INDOORS

SPS Plan: Biosecurity

INFORMATION MANUAL FOR ENHANCED BIOSECURITY FOR PORK PRODUCTION: ANIMALS RAISED INDOORS
Creating a Site Map

- How to create site map
- Items to label
- How to create the symbols using Microsoft Word

SPS Plan: Biosecurity

Creating a Premises Map for a Biosecurity Plan

1. Open an internet browser. Type in the following URL: https://maps.google.com
2. Click on the image of the building, and then click on the “Examine” button.
3. Use the symbol to create the map using the symbols provided in the Google Maps menu.
4. Add text to the map using the “Text” tool.
5. Save the map as a PDF file.

Secure Pork Supply Plan: Biosecurity Concepts

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Inputs and Outputs

Animals and Semen Movement
Personnel

Package Deliveries

- Supplies
- Medications
- Vaccines
Garbage Removal

Carcass Disposal
Manure Management

Contingency Plans

- Inclement Weather
  - Sheltered C&D area
  - Off-site location
  - Alternate delivery options
- Stop Movement
  - Welfare concerns
  - Carcass disposal
Employee Biosecurity Training

Biosecurity Topics:
• Introduction
• Do not bring disease to the site
• Perimeter Buffer Area
• Line of Separation and Bench Entry
Biosecurity Posters

- Producers and Employees
- Visitors
- English and Spanish
- Laminated copies at the pork store

www.securepork.org

SPS Plan: Biosecurity

Enhanced Biosecurity Training

Four Biosecurity Training Videos
1. Introduction to Biosecurity (5 minutes)
   - English
   - Spanish
2. Do Not Bring Disease to the Farm (3 minutes)
   - English
   - Spanish
3. Buffer Zone (4 minutes)
   - English
   - Spanish
4. Line of Separation (5 minutes)
   - English
   - Spanish

Biosecurity Posters

- Producers and Employees: How to Protect Your Farm
  - English
  - Spanish
- Attention: Visitors are a Potential Biosecurity Risk
  - English
  - Spanish
Assignment

Site Map
Review Inputs/Outputs

- Review inputs and outputs for site
  - Animals/semen
  - Feed
  - Fuel/propane deliver
  - Personnel
  - Package delivery
  - Garbage delivery
  - Carcass disposal
  - Manure
Enhanced Biosecurity

Plan for FAD Prevention in

Date

This Biosecurity Plan is based off of the Secure Pork Supply (SPS) Self-Assessment Checklist for
Enhanced Pork Production Biosecurity: Animal Health Section (August 2017) and was developed using
guidelines from the US Animal Health Information Network for Enhanced Biosecurity: Animals Health Section.
All documents are available at www.animalhealth.gov.

Scope of Biosecurity Plan

- National Pork Production Number (PPID) or NPI (required from the Animal Health Information Network for Enhanced Biosecurity: Animals Health Section)
- Animal Health Section
- Other business operations on premises* (i.e. slaughter, feed, etc.)
- *Required for porcine reproductive and respiratory disease (PRD) confinement

In the event an animal health information network for enhanced biosecurity: animals health section

1. Biosecurity Manager and Written Plan

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

NAME: __________________________

Address: __________________________

Phone: __________________________

In the event the Biosecurity Manager is away, the site’s nearest contact information is:

NAME: __________________________

Address: __________________________

Phone: __________________________

The Biosecurity Manager’s contact information is attached.
Assignment Checklist

- Print copies aerial views of 1-2 site(s)
- Make a list of inputs/outputs
- Draw the PBA on the map
- Identify Biosecurity Manager for site
- Review checklist items 3-10 and fill out “easy” items in biosecurity templates
- Make a list of challenges and bring to workshop

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