

Poultry biosecurity

1. Identify situations that may allow poultry diseases to spread
2. Describe ways to minimize chances for disease to be introduced to a production site
3. Identify people to contact for questions or concerns related to biosecurity on the production site

Disease Spread: Saliva



Disease Spread: Saliva



Andrew Kingsbury, ISU



Pam Zaabel, ISU

Disease Spread: Manure, Litter



Disease Spread: Manure, Litter

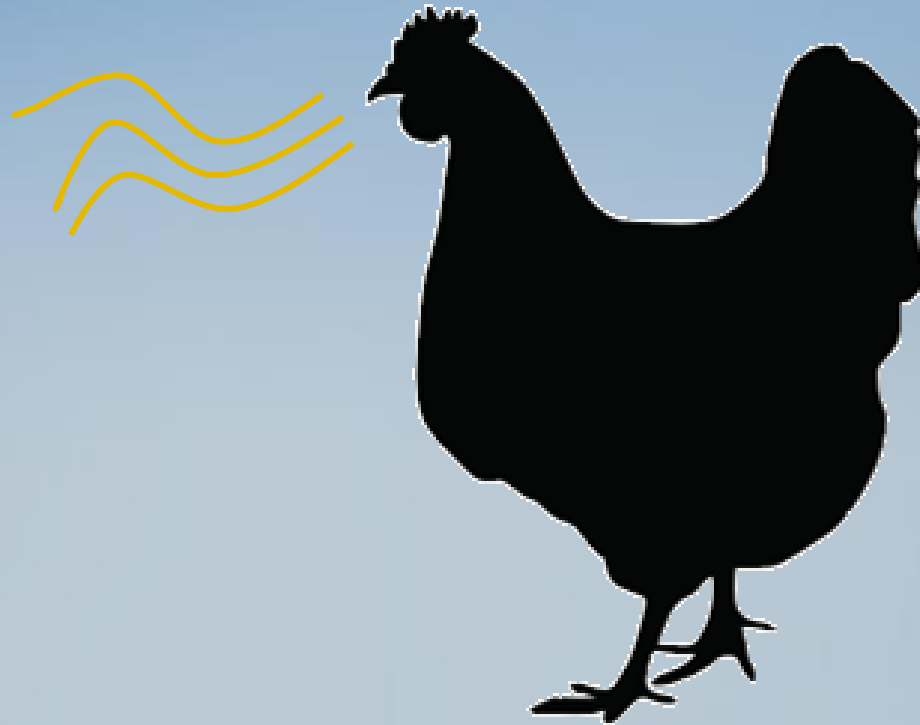


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Disease Spread: Breath



Disease Spread: Air



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Disease Spread: Fomites



Ways You Could Become Contaminated

- Birds at home
- Living with people who work at other production sites
- Duck, turkey, goose, or pheasant hunting
- Stopping at sites previously visited by contaminated individuals or vehicles



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Ways You Could Become Contaminated (cont'd)



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iStock

- Working at or visiting
 - Exhibitions
 - Auction markets
 - Processing plants
 - Rendering facilities
 - Diagnostic labs
 - Sales
 - Swap meets
 - Petting zoos
 - Etc.

Access to the Operation

- Limit to essential individuals
- May require change in practices, planning
- Discuss with Biosecurity Coordinator



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Before Arriving

- Ensure clean vehicle interior
- Determine need to enter PBA/cross LOS
- Shower, wear clean clothing/footwear
 - Afterwards, do NOT contact poultry before arriving at site
- Leave personal items at home
- Agree to follow biosecurity protocols



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Appendix G: Example Employee and Visitor Arrival Agreement

If I enter the Perimeter Buffer Area, at a minimum I agree to the following biosecurity measures:

- Shower and change into clean clothes and footwear prior to my arrival at the site.
- After showering and changing into clean clothing and footwear offsite, I will not have any contact with poultry or facilities where poultry, live or dead, are held (e.g., my home, other premises, auction market, buying station, slaughter plant, rendering plant) prior to my arrival onsite. Once onsite, I will avoid areas where vehicles that have not been cleaned and disinfected have driven.
- I will maintain a clean vehicle interior, free from contamination of poultry litter/manure and soiled clothes, footwear, or other items.

I agree to follow additional biosecurity measures once on the premises based on my job duties that reduce the risk of introducing disease to the poultry. If I observe or perform a breach of biosecurity (accidental or intentional), I will promptly inform the Biosecurity Coordinator* of the date, time, and nature of the incident.

Apéndice G: Ejemplo acuerdo de entrada de empleados y visitantes

Si yo ingreso al área perimetral de protección, como mínimo estoy de acuerdo con las siguientes medidas de bioseguridad:

- Ducharme y ponerme ropa y calzado limpio antes de mi llegada a las instalaciones.
- Después de ducharme y cambiarme con ropa y calzado limpio fuera del establecimiento, no tendré ningún contacto con aves de corral o instalaciones donde se alojan aves de corral vivas o muertas (por ejemplo, mi casa, otros establecimientos, mercados de subastas, estación de compra, mataderos, planta de procesamiento) antes de mi llegada al establecimiento. Una vez que este en el establecimiento, evitaremos áreas donde hayan estado presente vehículos, que no han sido limpiados y descontaminados.

Designated Parking Area

- Vehicles entering should be cleaned and disinfected, even if they look clean
- All others park in designated area away from poultry



Pam Zaabel, ISU

Entry Logbook

- Prepare to record
 - Contact information
 - Reason for entry
 - Date and description of last poultry contact
- Individual supervising entry has authority to permit or deny access



Maintaining Biosecurity

- May require change in normal practices
- Everyone, every time
- Contact Biosecurity Coordinator with questions, concerns
- More resources available at poultrybiosecurity.org

Personnel on the Poultry Site

The Concept

It is possible to reduce the risk of AI virus introduction to a premises if personnel take certain precautions, both prior to arrival at the site, and once on the site.

Prior to Arrival

- Determine whether people arriving at the site will need to cross the Perimeter Buffer Area (PBA) and/or Line of Separation (LOS), and be aware that doing so will require following specific procedures depending on the individual's job duties
 - Site-dedicated personnel, non-farm personnel, and people with recent contact with poultry or other avian species should refer to specific procedures within the biosecurity plan
 - The site may require a signed agreement verifying that personnel have been informed of biosecurity protocols and will abide by them
- Recommended procedures to complete prior to arriving include
 - Showering and wearing clean clothing/footwear
 - Avoiding contact with poultry, poultry facilities, and areas where soiled vehicles associated with poultry have driven
 - Leaving unnecessary personal items at home
 - Ensuring that their vehicle interior is not contaminated



Photo source: René Dewell, CFPSPH, Iowa State University

Entry Logbook

- Individuals entering will need to log their entry upon arrival, which may include information such as in the example below:

Farm Name: _____		Farm PremID (PID): _____		Address: _____	
Contact Name: _____		Phone: _____			
Date MM-DD-YY	Name	Affiliation	Phone Number	Reason for Entry	DATE and DESCRIPTION of Last Poultry Contact* (Packing plant, farm, auction, exhibition, etc. AND City/State)

On-Site Biosecurity Procedures

- Once on-site, personnel should refer to the site-specific biosecurity plan for information on:
 - Entering the Perimeter Buffer Area (PBA)
 - Crossing the Line of Separation (LOS)
 - Biosecurity Entry and Exit Procedures based on their job duties

<http://poultrybiosecurity.org>

