NPIP Biosecurity Audits – an OSA-perspective
Minnesota

Dr. Shauna Voss
• Turkey:
  • MN ranks #1 in both turkey production & processing in the U.S.
  • MN has ~450 turkey farmers who operate ~600 turkey farms.
  • MN has more independent turkey farmers than any other state in the U.S.

• Chicken:
  • >300 broiler chicken farmers statewide
  • 6 large table-egg layer companies

• Upland Game Bird:
  • A dozen large UGB hatcheries and raised-for-release operations
2015 HPAI: Minnesota Statistics

- Total number birds affected: 9,352,927
- Total number of premises affected: 110
  - 104 turkey
    - 75 commercial meat-type
    - 23 commercial breeding
    - 6 dangerous contacts
  - 4 chicken layers
  - 1 chicken pullets
  - 1 backyard
- Total number of counties: 23

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Notification and Education

• BAH:
  • Notified producers of NPIP Biosecurity Principles and audit process after NPIP OSA Meeting (2017).

• MTGA/CEAM/UMN/BAH:
  • Producer “Lunch & Learn” webinar – overview and introduction to the NPIP Biosecurity audit process and outreach to help prepare for the audit
  • BAH worked with U of M Extension in the development of training materials.
Biosecurity Info and Resources

These modules are provided by University of Minnesota Extension to help you better understand the NPIP Biosecurity Guidelines and Audit process in Minnesota. All of the content was developed using official NPIP Biosecurity Principle documents and guidance from the Official State Agency.

Return to this main menu at any time by clicking the bar icon on the top left, or click the "menu" button on the bottom right corner of any page. Re-visit this page as often as necessary.

https://umn.qualtrics.com/jfe/form/SV_7PTdtu6es3PaMqF
NPIP Biosecurity Principles

Following the outbreaks of Highly Pathogenic Avian influenza (HPAI) in the U.S. in 2014-2015, biosecurity measures were developed for inclusion in the National Poultry Improvement Plan (NPIP) Standards. These biosecurity measures are intended to be the basic management practices needed to prevent the introduction and spread of infectious diseases.

This program impacts indemnity, which is payment for loss of birds due to HPAI. Producers must have a Biosecurity Plan in place addressing all components of the 14 biosecurity principles. If they do not, they may not qualify for indemnity. The Minnesota Board of Animal Health is the Official State Agency (OSA) and will conduct an audit of these biosecurity plans to verify they conform to the biosecurity principles.

Although these biosecurity principles are applicable to all ages and sizes of poultry production, the auditing portion will only be required for commercial poultry operations. The Minnesota Board of Animal Health will facilitate commercial poultry facilities when their audit will be conducted.

Please submit a NPIP Biosecurity Audit Information Form to the MPTL to ensure that the Board of Animal Health has the appropriate contact information to conduct an audit and to notify you of updates to this program.

Additional Resources

NPIP audit program standards

Click here to access the NPIP website. Once on the website, select “NPIP Program Standards” on the left column, then select “Biosecurity Principles.”

Here’s the information you’ll find on the website:

- Biosecurity principles.
- Audit forms.
- Audit guidelines.

University of Minnesota Poultry Extension

For assistance or resources on how to implement these principles on your farm, please work with your veterinarian or contact Abby Neu [click here to email Abby] with the University of Minnesota Extension-Poultry (320-235-0726 extension 2019).

- Click here to visit the Poultry Extension blog and YouTube videos.
- Click here to access templates and resources.
The Audit Process in MN

- The audit is a paper audit only! There are no site visits.

- For companies with multiple farms that all follow one biosecurity plan, the farms will be audited as a group.

- Producer will be called and mailed a notification of their upcoming audit
  - Given 30 days send in requested information.
Audit Materials Requested

• Audit has 2 components:

1. Review the biosecurity plan at the company level to ensure it complies with NPIP minimum principles

2. Verify that the plan is being implemented as written at specific sites

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NPIP Program Standards
Biosecurity Principles Audit Guidelines

1. Biosecurity responsibility
   1.1. Is there a Biosecurity Coordinator? If so, please provide their name.
   1.2. Is there a site-specific biosecurity plan?
      1.2.1. Site-specific biosecurity plans can be defined as either farm-specific or complex-wide specific. Supporting documentation that is requested should reflect farm-specific or complex-wide specific as appropriate.
   1.3. Is the Biosecurity Coordinator knowledgeable in the principles of biosecurity?
      1.3.1. The Biosecurity Coordinator must be able to describe and interpret their company’s biosecurity program and how it meets the requirements of the NPIP biosecurity principles.
   1.4. Does the Biosecurity Coordinator review the biosecurity plan at least once during each calendar year and make revisions as necessary?
      1.4.1. The Biosecurity Coordinator must be able to provide records dates at which annual reviews were made and evidence of revisions to the biosecurity plan if any were necessary.
   1.5. Does the biosecurity plan indicate there will be a review by the Biosecurity Coordinator in periods of heightened risk of disease transmission?
      1.5.1. Documentation of compliance, including evidence of a discussion during periods of heightened risk can take any forms (e.g., emails, letters, memos, phone logs, text messages, etc.) It is the responsibility of the Biosecurity Coordinator to clearly define and communicate the “period of heightened risk“ in the biosecurity plan.

2. Training
   2.1. Does the biosecurity program include training materials that cover both farm site-specific procedures as well as company and/or complex-wide site-specific procedures, as applicable?
   2.2. Do all poultry owners and caretakers that regularly enter the perimeter buffer area (PBA) complete this training?
      2.2.1. Supporting documentation (e.g., training logs, training completion sheets, sign-in sheets, certificates of completion, etc.) should be provided.
   2.3. Has the training been completed at least once per calendar year and documented?
Audit Materials Requested

- Information or documentation that must be provided:
  - Company biosecurity plan
  - Name and contact information for the Biosecurity Coordinator
  - Map/description of the Line of Separation (LOS) and Perimeter Buffer Area (PBA) for every premises that follows the Company biosecurity Plan
Audit Materials Request

• Additional supporting documentation that may be requested for specific, randomly selected, farms within the company:
  • A list of staff employed at site and training records
  • Proof of pest control
  • Map/description of vehicle entry points and traffic patterns
  • Map/description of mortality disposal location
  • Flock morbidity/mortality records for the past 6 months (and actions taken)
To the best of my knowledge, the Biosecurity Plan and supporting documentation provided to the Board of Animal Health for the NPIP Biosecurity Principles Audit is being fully implemented on all the sites listed above. I understand that an unsatisfactory audit may make me ineligible for indemnity funds in the event HPAI is detected on any of the facilities listed above.

Biosecurity Coordinator Name: ___________________________  Date: ________________

Biosecurity Coordinator Signature: ___________________________  Title: ___________________________

Office Use Only

Audit results:  ___ Satisfactory  ___ Unsatisfactory  ___ Corrective Action needed  ___ N/A

Additional Comments:

OSA Designee/Reviewer: ___________________________  Date: ___________________________

OSA Approver: ___________________________  Date: ___________________________

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# Audit Form

## NPIP Program Standards

### Biosecurity Principles Audit Form

<table>
<thead>
<tr>
<th>Section</th>
<th>Y/N</th>
<th>Comments / Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Biosecurity responsibility</strong></td>
<td></td>
<td></td>
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<tr>
<td>1a. Is there a Biosecurity Coordinator? If so, please provide their name?</td>
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<td>1b. Is there a site-specific biosecurity plan?</td>
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<td>1c. Is the Biosecurity Coordinator knowledgeable in the principles of biosecurity?</td>
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<td>1d. Does the Biosecurity Coordinator review the biosecurity program at least once during each calendar year and make revisions as necessary?</td>
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<td>1e. Does the biosecurity plan indicate there will be a review by the Biosecurity Coordinator in periods of heightened risk of disease transmission?</td>
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<td><strong>2. Training</strong></td>
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<tr>
<td>2a. Does the biosecurity program include training materials that cover both farm-specific procedures as well as company and/or complex-wide site-specific procedures as applicable?</td>
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<tr>
<td>2b. Do all poultry owners and caretakers that regularly enter the perimeter buffer area (PBA) complete this training?</td>
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<tr>
<td>2c. Has the training been completed at least once per calendar year and documented?</td>
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<tr>
<td>2d. Are new poultry caretakers trained at hire?</td>
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<tr>
<td>2e. Are training records retained as stated in Title 9. CFR 113 12(b) and 116.11(e)?</td>
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<tr>
<td><strong>3. Line of Separation (LOS)</strong></td>
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<td>3a. Does the site-specific biosecurity plan describe or illustrate the boundaries of the LOS? If not, please explain.</td>
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<tr>
<td>3b. Does the site-specific biosecurity plan clearly outline procedures to be followed when caretakers, visitors, or suppliers cross the LOS?</td>
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<tr>
<td><strong>4. Perimeter Buffer Area (PBA)</strong></td>
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<tr>
<td>4a. Does the site-specific biosecurity plan describe or illustrate the boundaries of the PBA?</td>
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<tr>
<td>4b. Does the site-specific biosecurity plan clearly outline the procedures to be followed by caretakers, visitors, or suppliers when entering and leaving the PBA?</td>
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<tr>
<td><strong>5. Personnel</strong></td>
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<tr>
<td>5a. Does the biosecurity program and/or site-specific biosecurity plan include provisions specifically addressing procedures and biosecurity personal protective equipment (PPE) for site dedicated personnel?</td>
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<tr>
<td>5b. Does the biosecurity program and/or site-specific biosecurity plan address the procedures and biosecurity PPE for non-personal personnel?</td>
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<tr>
<td>5c. Does the biosecurity program and/or site-specific biosecurity plan specify procedures which all personnel having had recent contact with other poultry or avian species should follow before re-entering the PBA?</td>
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<tr>
<td><strong>6. Wild Birds, Rodents and Insects</strong></td>
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<tr>
<td>6a. Are there control measures in the biosecurity program and/or site-specific biosecurity plan to prevent contact with and protect poultry from wild birds, their feces and their feathers as appropriate to the production system?</td>
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<td>6b. Does the biosecurity program and/or site-specific biosecurity plan contain control procedures for rodents, insects, and other animals?</td>
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<td>6c. Are these programs documented?</td>
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<td><strong>7. Equipment and Vehicles</strong></td>
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<td>7a. Does the biosecurity program and/or site-specific biosecurity plan include provisions for procedures for cleaning, disinfection, or restriction of sharing of equipment and vehicles?</td>
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<tr>
<td>7b. Are vehicle access and traffic patterns defined?</td>
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<td><strong>8. Mortality Disposal</strong></td>
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<td>8a. Is there a mortality disposal plan?</td>
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<tr>
<td>8b. Does the mortality disposal plan reference the frequency of removal, storage of mortality, and pest control around mortality storage and disposal areas?</td>
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<td>8c. Does the mortality disposal plan address procedures for handling mortality disposal in a way that minimizes the potential for cross-contamination from other facilities or biomass premises?</td>
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<tr>
<td><strong>9. Manure and Litter Management</strong></td>
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<tr>
<td>9a. Is the manure and spent litter handled in a manner that limits the spread of infectious disease?</td>
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</tbody>
</table>

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**Company Name:**

Specific Form Audited:

Other Forms Included: SEE ATTACHED

Audit Date: 10/23/2018
Biosecurity Audit Progress
10/8/18

- Completed Audits: 59%
- Audits in Progress: 14%
- In Queue: 5%
- Audits Yet Do: 22%
After 1 year of working through biosecurity audits, we want to determine what other resources are needed so that producers can:

- Write effective and implementable biosecurity plans to help keep disease off a farm; and
- Have all the necessary paperwork in place so they can pass an audit!

What is needed?
- In-person trainings? Templates? Videos?

Who can do this?
- BAH can’t write the plans that they will be auditing!
Thank you!