

PERMIT GUIDANCE - MOVEMENT OF TURKEY HENS FROM A SINGLE-AGE CONDITION PREMISES TO A SINGLE-AGE BREEDER PREMISES

RISK ASSESSMENT FOR MOVEMENT – IN PROGRESS (“An Assessment of the Risk Associated with the Movement of Turkey Hens from Condition Premises to Breeder Premises In a Control Area during a Highly Pathogenic Avian Influenza Outbreak in the United States.”)

If the permit guidance below has been met, ***the risk of moving infectious hens*** from a premises within an HPAI Control Area is rated to be ***moderate to high***. *The risk range reflects uncertainty in the likelihood of infection and spread associated with distance from and status of infected premises and current variations in industry practices.* The Control Area Zone (infected vs buffer) should be considered when evaluating efficacy of enhanced measures. Destination premises both within and outside of the Control Area must also adhere to post-placement protocols described here-in for this risk rating to be valid.

An additional checklist of enhanced biosecurity measures that may impact risk and subsequently narrow the risk likelihood of moving infectious hens is available at Securepoultrysupply.umn.edu.

The criteria in this document and the accompanying checklist may serve as a baseline for consideration of additional needs for permitting other movement variations (e.g., movements that involve multi-age premises).

The criteria in this document and the accompanying checklist may serve as the permit guidance and checklist for males housed on the same premises as turkey hens as well as males that are on a dedicated stud premises. Males on the same premises as hens must be moved at the same time as the hens or observe a dedicated Pre-Movement Isolation Period with a separate permit.

Birds may move within or out of the Control Area by permit.

PERMIT GUIDANCE INCLUDES:

1. Poultry are moving from a premises that meets the criteria for a Monitored Premises designation and has a national premises identification number,
2. A Pre-Movement Isolation Period (PMIP) is established as defined by the cross-commodity PMIP standards, and for the duration defined for the type of movement requested,
3. Product-specific biosecurity as described in individual plan is implemented,
4. Load out and live haul biosecurity is implemented,
5. Transport biosecurity is acceptable and implemented,
6. Placement biosecurity is implemented,
7. Active surveillance protocol of daily rRT-PCR testing of all dead birds in pools of 11 (up to a maximum of 4 pools per flock/barn per day) starting 8 days before load-out begins on the premises and continuing throughout load-out for all flocks. Active surveillance protocol post-placement is implemented.

1. Poultry are moving from a premises that meets the criteria for a Monitored Premises designation and has a national premises identification number.

- A Monitored Premises (MP) objectively demonstrates that it is not an Infected Premises, Contact Premises, nor Suspect Premises. Only At-Risk Premises are eligible to become Monitored Premises. Monitored Premises meet a set of defined criteria in seeking to move susceptible animals or products out of the Control Area by permit. For the Secure Poultry Supply Plans, the following criteria must be met:
 - Pre-movement rRT-PCR testing is negative,
 - Epidemiological questionnaire is completed,
 - No unexplained mortality, no unexplained clinical signs, and no unexplained changes in production parameters, and
 - Biosecurity measures are acceptable to state and federal authorities.
 - For permitted movement through EMRS, an accurate national premises identification number (i.e., 7 character alphanumeric code as described in 9 CFR § 71.1; not the state ID) or other acceptable ID system for movement is required.
-

2. A Pre-Movement Isolation Period (PMIP) is established as defined by the cross-commodity PMIP standards, and for the duration defined for the type of movement requested.

- The PMIP starts 8 days prior to the scheduled hen movement date and continues through load-out.
 - Other durations may be permitted in consultation with the Incident Command (IC) (e.g., the first few days of an outbreak).
-

3. Product-specific biosecurity as described in individual plan is implemented

- Non-critical operational visits should be scheduled to occur outside of the PMIP. The following activities have a risk for lateral transmission of HPAI virus and are prohibited during the PMIP:
 - Off-farm disposal of mortality is prohibited. Producers must manage risks associated with dead birds on-site [i.e., managing scavenger species attraction to mortality (See 9.2.4.1 Dead Bird Disposal during PMIP in the Pullet Out of Barn risk assessment)].
 - Off-farm removal of manure or litter is prohibited. Producers must manage risks associated with manure or litter movement on-site (i.e., managing insect attraction to litter).
 - Off-farm garbage disposal is prohibited. Producers must manage risks associated with garbage storage on-site (i.e., managing scavenger species' attraction to garbage).
 - Visiting other poultry farms is prohibited for people who work on poultry farms. People should only have contact with their assigned flock(s) on a single premises.
 - All non-emergency visitors are prohibited from entering farms. All routine or operational visits (excluding feed delivery) must be replaced by electronic or

- telephone communication, take place at a non-poultry site outside the control area, or must be scheduled prior to or following the PMIP.
- Entering a poultry house is prohibited unless the person is wearing footwear and clothing dedicated to the line of separation (LOS) area.
 - Pre-staging of shared critical equipment is prohibited.
 - Movement of non-critical equipment from off-site onto the premises is prohibited.
 - Moving live poultry onto or off of the premises is prohibited.
 - Critical operational visits that may continue during the PMIP require specific biosecurity measures and may require a permit:
 - Feed delivery should use a dedicated truck and deliver directly from a stand-alone feed mill (no poultry on-site at feed mill). Trucks delivering feed or individual feed ingredients that are produced or stored on poultry premises will require a permit. Permitting of feed delivery from premises with poultry on-site will require PCR surveillance of poultry on premises sufficient to satisfy Incident Command.
 - Emergency fuel delivery and emergency repair or replacement of critical mechanical equipment.
 - Service visits to address changes in bird health.
 - In addition to the above biosecurity protocols, the following enhanced biosecurity measures must be implemented during the PMIP:
 - All people who are going to cross a line of separation (LOS):
 - Should shower and change into clean clothes prior to or at the time of entering the premises.
 - Must wear necessary protective clothing and footwear dedicated to that LOS area as described in appropriate biosecurity protocols.
 - The premises has a functional and effective shower-in/shower-out facility which may or may not be on the premises.
 - Routine cleaning and disinfection of shower areas occurs.
 - Soap/shampoo (or other personal protective accommodations when necessary) is available.
 - Freshly laundered towels, clothing, and footwear is available for personnel.
 - Training of all new visitors on proper procedures for use of the facility is in place.
 - All vehicles and equipment entering the premises must be cleaned and disinfected using a protocol acceptable to regulatory personnel prior to entering premises, taking into account environmental conditions of the premises, and/or region, and/or season (this includes C&D protocols for both personal vehicles and vehicles transporting the load-out crew).
 - Some acceptable protocols for Cleaning and Disinfection (C&D) may be found in the USDA Foreign Animal Disease Preparedness and Response Plan (FAD PReP) Standard Operating Procedures (SOPs), which provide

operational guidance for responding to an animal health emergency in the United States.

- Drivers must implement the following risk mitigations:
 - Reduce the risk of moving insects on and off the farm:
 - Vehicle windows should be rolled up at all times while on the poultry farm in order to prevent flies from getting into the vehicle.
 - Insecticide spray should be used inside trucks as needed to eliminate the transporting of flies from farm to farm during warm months of the year.
 - Reduce the risk of contaminating themselves and their vehicle interiors due to exiting and re-entering the vehicle:
 - Drivers are prohibited from entering turkey houses.
 - All drivers and passengers must wear boots (rubber or disposable) before getting out of the vehicle. When exiting the farm, disposable boots must be put in an appropriate on-farm disposal container prior to exiting the farm and shoes must be sprayed with disinfectant before entering their vehicle. Rubber boots and any tools used on the farm must be cleaned and disinfected prior to being removed from the turkey premises.
 - All drivers must use hand sanitizer before leaving and after re-entering the cab.
 - All drivers must spray the floors, pedals, and bottoms of feet with disinfectant after every stop.

4. Load-out biosecurity is implemented.

Load-out begins as the first crew, vehicle, or equipment arrives on the premises and ends when the last load of hens departs the premises.

- All PMIP biosecurity measures must be continued throughout the hen load-out process except that the load-out crew and equipment are allowed on-site (See section 3).
- Additional biosecurity and mitigation measures are summarized as follows:
 - Trucks, Trailers, and Equipment
 - Trucks, trailers, and equipment are either company-owned or dedicated to the company.
 - **During the movement**, trucks, trailers, and equipment used for moving hens are only used for moving hens (i.e., they are not used for any other types of birds, including market turkeys, spent hens, chickens, etc.) and will be dedicated to that specific hen movement until the bird transfer is complete.

- Load-out equipment has adequate downtime (24 hours or more) prior to use during load-out.
- All trucks, trailers, and equipment (i.e., both contract and company-owned) used for the hen move have traceability (e.g., where last used and previous premises HPAI status, C&D, downtime, biosecure storage location).
- Load-out trucks, trailers, and equipment are C&D prior to first arrival at hen premises.
- A visual inspection/verification (e.g., company SOPs in place) of C&D of load-out trucks, trailers, and equipment must occur.
- Hen moving trucks and equipment that need to cross the LOS must have a predetermined, biosecure protocol for a temporary LOS adjustment and vehicle/equipment C&D.
- Load-out equipment moves from the trailer directly into the bird area of the barn to be moved.
- Crews/Personnel
 - Load-out personnel must be dedicated to the permitted hen move.
 - Load-out personnel - contract, non-company or company - have traceability (e.g., location last worked and premises status, downtime, and housing).
 - Load-out crews/personnel must shower and change into clean clothing and footwear prior to or at the time of arrival at the turkey premises on a daily basis
 - Load-out personnel are designated to be either inside or outside workers.
 - There should be a means of quickly visualizing and distinguishing inside vs outside workers.
 - Dedicated indoor crew members only enter the barn in which they are working
 - If the flock being loaded out is in multiple barns, biosecurity protocols must be implemented when moving between barns.
 - Proper protocols, including hand sanitation and boot dips, must be used upon entering or exiting the LOS. This includes but is not limited to:
 - Completion of load-out and exiting the LOS
 - Emergency crossing of the LOS for bird safety
 - All personnel will shower and wear freshly laundered clothing before going on to other activities after load-out

5. Transport biosecurity is acceptable and implemented.

- The hen barn of origin will be completely empty at the end of the move.

- Mis-sex birds and non-selects will be humanely euthanized on-site or may be moved to slaughter with a plan in place.
- Males that are housed in the same barn as the hens must move at the same time as the hens.
- The route for hen transport should be selected in consultation with a poultry veterinarian, biosecurity officer, or production manager to minimize contact with and proximity to live poultry and poultry products.
- Load-out trucks/equipment will only move between the hen premises and one other location destination unless:
 - Additional destination premises are single-age, all-in-all-out premises and,
 - Additional permits for these placements have been granted.

6. Placement biosecurity is implemented.

- The destination site is a single age premises considered free (if outside a control area) or monitored (if inside a control area) – see monitored premises criteria above.
- All biosecurity measures noted for bird load-out at the origin premises must be adhered to during placement (see Section 4).
- An 8-day post-movement isolation plan that includes testing days 7 and 8 after placement and daily flock monitoring (see Section 7) is in place.

7. Active surveillance protocol of daily rRT-PCR testing of all dead birds in pools of 11 (up to a maximum of 4 pools per flock/barn per day) starting 8 days before load-out begins on the premises and continues throughout load-out for all flocks. Active surveillance protocol post-placement is implemented.

- PMIP active surveillance
 - Daily testing of all dead birds in all flocks in 11-swab pools (up to a maximum of 4 pools per flock/barn per day) by NAHLN labs beginning 8 days *prior to load-out*.
 - If there are fewer than 11 dead birds/day, swabs may be pooled in BHI medium over multiple days (but not exceeding 96 h) until 11 swabs per sample are obtained.
 - All samples are held refrigerated and must be submitted within 96 h of first sample collection. Therefore, at least two submissions to a NAHLN lab should be made on days 4 and 8 of the PMIP.
- Load-out active surveillance
 - Daily testing of all dead birds in all flocks/barns in 11-swab pools (up to a maximum of 4 pools) by NAHLN labs *continues throughout load-out*.
 - Negative results of tests taken within 24 hours of scheduled movement (at barn level) must be documented before birds are moved off the premises.

- Post-placement active surveillance
 - Testing of all dead birds in all flocks/barns in 11-swab pools (up to a maximum of 4 pools per flock/barn per day) by NAHLN labs on days 7 and 8 *after placement*.
 - Sample collection and submission to NAHLN lab:
 - If there are fewer than 11 dead birds/day, swabs may be pooled in BHI medium over multiple days (but not exceeding 96 h) until 11 swabs per sample are obtained.
 - A daily mortality greater than of 5 per 1000 changes the premises from a monitored to a suspect premises and requires an immediate diagnostic work-up.
 - Birds may be transported to the diagnostic laboratory following strict exclusion and containment biosecurity for vehicles and personnel, including:
 - Birds are sealed in a labeled, leak-proof packaging and container that are disinfected prior to transport.
 - The vehicle used for bird transport is C&D inside and outside prior to returning to the premises.
 - Personnel transporting birds must go directly from the premises to the diagnostic lab and must shower and change clothes prior to returning to the premises.
 - A 12-24 h downtime for transport personnel and vehicle following a trip to the diagnostic lab is recommended when feasible.