

Animal and Plant Health Inspection Service

Veterinary Services

Highly Pathogenic Avian Influenza (HPAI) Investigation - Questionnaire

INSTRUCTIONS

The purpose of these investigations is to assess potential pathways of initial introduction of HPAI viruses onto commercial poultry operations and potential lateral transmission routes of HPAI viruses from infected premises to noninfected premises.

Following confirmation of an HPAI virus introduction into a commercial flock, an investigation should be initiated as soon as possible, no later than 1 week following detection. The investigator(s) assigned should be integrated into other response activities but their primary focus is on completion of the introduction investigation.

The Investigation Questionnaire provided is a guide for conducting a systematic and standardized assessment of potential pathways of initial virus movement onto the farm and potential movement of the virus off the farm. All sections of the form should be completed through direct conversation with the individual(s) most familiar with the farm's management and operations and questions are to be answered for the period 2 weeks prior to the detection of HPAI. Where applicable, direct observation should be conducted of the biosecurity or management practice asked about in this questionnaire. This is not a box-checking exercise but an in-depth review of the current biosecurity and management practices and exposure risks on an affected farm. For example, direct observation of the farm's employee donning and doffing procedures and compliance with company biosecurity practices are more important than checking the box on the form that indicates workers wear coveralls into the poultry houses. Investigators are encouraged to take notes and include them with the Investigation Questionnaire when completed.

An Investigation Questionnaire should be completed for the infected house or farm and **at least one** noninfected house or farm within the same complex as near as possible to the index infected flock.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0376. The time required to complete this information unless it displays a valid OMB control number or reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. OMB control number for this information. OMB control number for the source of the time for reviewing instructions, searching existing data sources, 04/2017									
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE VETERINARY SERVICES			HPAI INVESTIGATION QUESTIONNAIRE						
Interviewer name/organization Interviewee name/orga			anization			Date			
	Α	PREMISES I	INFC	RMATION					
Farm name					Farm (prem	ises) ID			
Farm address				County					
Township	Range	ange Sec						d in the National	
							oultry Improvement Plan (NPIP)?		
	B DDE	MISES CONT	АСТ						
1. Contact name	D. FIL				Phone				
Email				Cell phone					
2. Contact name					Phone				
Email					Cell phone				
3. Contact name					Phone	Phone			
Email					Cell phone	Cell phone			
4. Flock Veterinarian				Phone					
Email				Cell phone					
	C	C. PREMISES	DES	CRIPTION					
1. Poultry type 2. Production type									
	Other (specify:)		Meat Egg Breeding Other (specify:)					
3. Age	4. Sex			5. Flock size					
Multiple age Single age	Hen	Tom	Both						
6. Facility type (check all that apply)				7. If brooder and grower houses are present on the same premises, are there multiple stages of management (brooding and growing), in the same house?					
				Yes No					
Grow Other (specify:)									
Both brooder and grower houses are present on the same premises				8. Farm capacity Number of birds					
				Number of barns Number of barns					
Commercial				Barn capacity Number of birds					
9. What is the primary barn type/ventilation (check one only)									
Curtain sided Environmental control Side doors Other (specify:)									
10. Are cool cell pads used? Yes No				11. Distance in yards of closest body of water near farm					
If Yes, what is the source of water for these pads?				Yard 13. What is the primary water source for poultry? (check one only)					
				└ Municipal └ Well					
				Surface water (e.g., pond)					
				Other (<i>specify</i> :)					
Other (specify:)									

C. PREMISES DESCRIPTION (Cont.)

14. What other types of animals are present on the farm?					
a.	Beef cattle	Yes No			
b.	Dairy cattle	Yes No			
с.	Horses	Yes No			
d.	Sheep	Yes No			
e.	Goats	Yes No			
f.	Pigs	Yes No			
g.	Dogs	Yes No			
h.	Cats	Yes No			
i.	Poultry or domesticated waterfowl	Yes No			
j.	Other (specify:)				
15. Is wate	er treated prior to delivery to poultry?	Yes No			

If Yes, how is it treated and with what? ____

D. FARM BIOSECURITY					
1. Is there a house with a family living in it on the property?	2. Is there a common drive entrance to farm and residence?				
Yes No	Yes No				
3. Do you have signage of "no admittance" or "biosecure area" on this property?	4. Is there a gate to this farm entrance?				
Yes No	Yes No				
5. Is the gate secured/locked?	6. Is the farm area fenced in?				
If Yes, what hours is it secured?	Yes No				
7. How frequently is vegetation mowed/bush hogged on the premises?	8. Is the facility free of debris/clutter/trash piles?				
times/month	Yes No				
9. Is there a wash station/spray area available for vehicles? Yes No	10. Is there a designated parking area for workers and visitors away from the				
	barns/pens?				
If Yes, what disinfectant is used?	Yes No				
11. Is there a changing area for workers?	12. Do workers don dedicated laundered coveralls before entering each house on the premises?				
Do they shower?					
13. Do workers wear rubber boots or boot covers in poultry houses?	14. Are the barn/pen doors lockable?				
Yes No	Are they routinely locked?				
15. Are foot pans available at barn/pen entrances?	16. Are foot baths dry (powdered or particulate disinfectant)?				
Are they in use?	Yes No				
17. Are foot baths liquid disinfectant?	18. Frequency foot pan solutions are changed?times/month				
Yes No	What disinfectant is used?				
19. Is there an entry area in the barns/pens before entering the bird area?	20. What pest and wildlife control measures are used on this farm?				
Yes No	a. Rat and mouse bait stations				
Are biosecurity audits or assessments (company or third party) conducted on this	b. Bait stations checked at least every 6 weeks				
farm?	c. Fly control used Yes No				
Yes No	If Yes, type and frequency:				
If Yes, when was the last audit or assessment conducted?	d. Houses are bird proof Yes No				
(Obtain a copy of the result of the audit or assessment if available.)	e. Wild birds seen in house				
	If Yes, type, number, and frequency:				
21. Has this farm been confirmed positive for HPAI?	f. Raccoons, possums, or foxes seen in or around poultry Yes No				
Yes No	g. Wild turkeys, pheasants, or quail seen in or around poultry				
VS Form 17 F	houses				

	E. FARM HELP/WORKERS						
Number h. Nordernity Number 1. Workers are assigned to (sheek are only) 4. Do the workers have a common break area? Yes No	1. Total number of persons working on farm	2. Number of workers living on the farm premises who are:					
3. Workers are assigned to (sheek one only) 4. Do the workers have a common broak area? Ves No G. Mex workers employed by other poultry operations? 6. How others are training sessions held on biosecurity for workers? If Ves, location: Image: sessions held on biosecurity for workers? C. Are turnity members employed by other poultry operations? 6. How others are training sessions held on biosecurity for workers? Image: sessions held on biosecurity for workers? T. Are turnity members employed by other poultry operations? 8. Do part-time/weekend help and differ extended family members on holidays and vestions? T. Yes Image: sessions held on biosecurity for workers? Image: sessions held on biosecurity for workers? T. Are workers (full and part time) restricted fram being in contact with backyard pountry? Ves Image: sessions held on other family members on holidays and vestions? T. Are workers deviced on the premises fam specific? Image: sessions held on other family members on holidays and vestions? Image: sessions held on other family members on holidays and vestimations? T. See adjointed to the premises fam specific? Image: sessions held on other family members on holidays and vestimations? Image: sessions held on other family members on holidays and vestimations? See adjointed to the premises fam specific? Image: sessions held on other family members on holidays and vestimations? Image: sessima held on held on held on held on held on he	Number	a. FamilyNumber					
Exite sam Section barnabases Section barnabases Exite sam Section barnabases Section barnabaseses Sectin barnabases Sectin barnabases Section barna		b. Nonfamily Number					
Specific bans/areae If Yes, location: 5. Are worknes enployed to yother poultry operations? 6. How often are transing seasons held an biosecurity for workers? 7. Are family members enployed by other poultry operations or processing plants? 0. Pourt sing weaken help and other extended family members on heldoys and vacance? 7. Are kindnes enployed by other poultry operations or processing plants? 0. Yes No 14 Yes, jointy workers (full and part time) restricted from being in contact with backyard poultry? Yes No 15. Are workers (full and part time) restricted from being in contact with backyard poultry? Yes No 16. decaptioned to be processing plant:	3. Workers are assigned to (check one only)	4. Do the workers have a common break area?					
5. Are worker employed by other poultry operations? 6. How often are training sessions held on blosecurity for workers? 0 Yes Na	Entire farm						
Image: Section of processing plant: Image: Section of procesing plant: Image: Section of processin							
7. Are formity members employed by other poulty operations or processing plants? 8. Do parts time/weekend help and other extended family members on holidays and using/or indications? 9. Are workers (tuil and part itme) restricted from being in contact with backyard poultry? Yes No 9. Are workers (tuil and part itme) restricted from being in contact with backyard poultry? Yes No How is this communicated? F. FARM ECUIPMENT No B. free equipment loss. F. FARM ECUIPMENT No B. free equipment loss. F. may specific? Yes No 1 No, by whom is equipment jointly used. Pressure specific? Yes No 1 No, by whom is equipment jointly used. Parts : Parts specific? Yes No 2. Freed truck (access funct): Farm specific? Yes No If No, by whom is equipment jointly used. Parts :	5. Are workers employed by other poultry operations?	6. How often are training sessions held on biosecurity for workers?					
□ Yes No Vecations? Vecations? If Yes, poldry operation or processing plant:	Yes No	times/year					
If Yes, polity operation or processing plant: Image: Second S							
How is this communicated? F. FARM EQUIPMENT Is the equipment of lows. It employs the equipment of lows. 1. Company which is equipment jointly used: 2. Feed trucks (access feed): Farm specific? Yes No If No. by whom is equipment jointly used: Dates:							
F. FARM EQUIPMENT Is the equipment used on this premises farm specific, under joint ownership and it remains on this premises, or under joint ownership and used on other farm premises? A list of equipment follows. 1. Company vehicles/failed/states is parm specific? 1. Wes No 1. Company vehicles/failed/states Farm specific? Yes No 1. No. by whom is equipment jointly used: If No. by whom i	9. Are workers (full and part time) restricted from being in contact with backyard poultry	y? L Yes L No					
Is the squipment used or this premises farm specific; under joint ownership and it remains on this premises; or under joint ownership and used on other farm premises? A list of equipment follows. 1. Company vehicles/tailer: Farm specific? If No, by whom is equipment jointly used: If No, by whom is equipment jointly used: Dates: Dates: Dates: Farm specific? If No, by whom is equipment jointly used: If No, by whom is equipment jointly used: Dates: Farm specific? If No, by whom is equipment jointly used: If No, by whom is equipment jointly used: Dates: Farm specific? Dates: Farm specific? If No, by whom is equipment jointly used: If No, by whom is equipment jointly used: Dates: Farm specific? If No, by whom is equipment jointly used: If No, by whom is equipment jointly used: Dates: Farm specific? If No, by whom is equipment jointly used: If No, by whom is equipment jointly used: Dates: Farm specific? If No, by whom is equipment jointly used: If No, by whom is equipment jointly used: Dates: Dates: Describe pre-loader cleaning and disinfection procedures: Dates: Dates: Dates: Dates: Farm specific? If No, by whom is equipment jointly used: If No, by whom	How is this communicated?						
of equipment follows. Pres No 1. Company vehiclestrailers: Farm specific? Yes No 1. Ro, by whom is equipment jointly used: I'No, by whom is equipment jointly used: Dates:	F. FARM E	QUIPMENT					
1. Company vehicles/rates: Farm specific? Yes No 1. No, by whom is equipment jointly used:		ains on this premises, or under joint ownership and used on other farm premises? A list					
If No, by whom is equipment jointly used: If No, by whom is equipment jointly used: Dates:		2 Feed trucks (excess feed): Farm specific? Ves No					
3. Gates/panels: Farm specific? Yes No 4. Lawn mowers: Farm specific? Yes No 1. No, by whom is equipment jointly used: I'No, by whom is equipment jointly used: 5. Live haul loaders: Farm specific? Yes No 6. Live haul loaders: Farm specific? Yes No 7. Pre-loaders: Farm specific? Yes No 7. Pre-loaders: Farm specific? Yes No 9. Skid-steer loader: Farm specific? Yes No 9. Skid-steer loaders: Farm specific? Yes No 11 No, by whom is equipment jointly used: I'No, by whom is equipment jointly used: 11 No, by whom is equipment jointly used: I'No, by whom is equipment jointly used: 11 No, by whom is equipment jointly used: I'No, by whom is equipment jointly used: I'No, by whom is equipment jointly used:							
3. Gates/panels: Farm specific? Yes No 4. Lawn mowers: Farm specific? Yes No 1. No, by whom is equipment jointly used: I'No, by whom is equipment jointly used: 5. Live haul loaders: Farm specific? Yes No 6. Live haul loaders: Farm specific? Yes No 7. Pre-loaders: Farm specific? Yes No 7. Pre-loaders: Farm specific? Yes No 9. Skid-steer loader: Farm specific? Yes No 9. Skid-steer loaders: Farm specific? Yes No 11 No, by whom is equipment jointly used: I'No, by whom is equipment jointly used: 11 No, by whom is equipment jointly used: I'No, by whom is equipment jointly used: 11 No, by whom is equipment jointly used: I'No, by whom is equipment jointly used: I'No, by whom is equipment jointly used:	Dates:	Dates:					
If No, by whom is equipment jointly used: If No, by whom is equipment jointly used: Dates:							
5. Live haul loaders: Farm specific? Yes No If No, by whom is equipment jointly used:							
If No, by whom is equipment jointly used: If No, by whom is equipment jointly used: Dates: Dates: Dates: Parm specific? Dates: Dates: Dates: Dates: Dates: Dates: Dates: Dates: Dates: Dates: Dates: Dates: Describe pre-loader cleaning and disinfection procedures: Dates: Dates: Dates: Describe pre-loaders: Farm specific? IN o, by whom is equipment jointly used: Dates: Dates: Dates: Dates: Dates: Dates: Parm specific? IN o, by whom is equipment jointly used: If No, by whom is equipment jointly used: II. Trucks: Farm specific? II. Trucks: Farm specific? II. Trucks: Farm specific? II. No, by whom is equipment jointly used: Dates: Dates: Dates: Dates: Dates: Dates: Dates: Dates: Dates: Dates: Oates Dates: No	Dates:	 Dates:					
7. Pre-loaders: Farm specific? Yes No If No, by whom is equipment jointly used:							
If No, by whom is equipment jointly used: If No, by whom is equipment jointly used: Dates:	Dates:	Dates:					
Describe pre-loader cleaning and disinfection procedures:							
9. Skid-steer loaders: Farm specific? Yes No If No, by whom is equipment jointly used: In Tillers: Farm specific? Yes No Dates:	Dates:	Dates:					
If No, by whom is equipment jointly used: If No, by whom is equipment jointly used: Dates:	Describe pre-loader cleaning and disinfection procedures:						
11. Trucks: Farm specific? Yes No If No, by whom is equipment jointly used: I2. Other equipment Farm specific? Yes No Dates:							
If No, by whom is equipment jointly used: If No, by whom is equipment jointly used:	Dates:	 Dates:					
G. LITTER HANDLING 1. Litter type: 2. Supplier/source: 3. Is a litter shed present?							
1. Litter type: 2. Supplier/source: 3. Is a litter shed present? 4. Do you do partial cleanouts? Yes No 4. Do you do partial cleanouts? Yes No 5. Date of last cleanout:	Dates:	Dates:					
1. Litter type: 2. Supplier/source: 3. Is a litter shed present? 4. Do you do partial cleanouts? Yes No 4. Do you do partial cleanouts? Yes No 5. Date of last cleanout:	G. LITTER HANDLING						
4. Do you do partial cleanouts? Yes No 5. Date of last cleanout:							
4. Do you do partial cleanouts? Yes No 5. Date of last cleanout:		Yes No					
6. Who does the cleanout? Grower Contractor 7. Litter is disposed of: On farm Taken off-site	4. Do you do partial cleanouts?						
6. Who does the cleanout? Grower Contractor 7. Litter is disposed of: On farm Taken off-site	If Yes, give dates of last partial cleanout:						
If contractor, name and location If taken offsite, name and location:	6. Who does the cleanout?						
	If contractor, name and location	If taken offsite, name and location:					

H. DEAD BIRD DISPOSAL									
1. Approximate normal daily mortality		2. How is daily mortality handled?							
Number of birds	a. On-farm: Burial pit/incinerator/composted/other (specify:)				
3. What is the pickup schedule?		b. Off-farm: Landfill/rendering/other (specify:)			
	c. Off-farm disposal performed by: Owner/employee/other (specify:)				
			•	al or compost pits are used, are carcasses covered with soil on a daily basis?			No		
 Contact name of company or individual used, include location of carcass bin on th 		oosal (If r	endering is	5. Do	es the carcass bin have a cover?	Yes	🗌 No		
used, monute location of carcass bill on the latin map.)				Is it routinely kept closed?			🗌 No		
	ily basis?		I. FAR		ITORS		<u> </u>		
1. How many visitors do you have on a da	IIY DASIS?			2. Is t	here a visitor log to sign in?	Yes	🗌 No		
Number				ls it cu	urrent?	🗌 Yes	🗌 No		
3. Do you provide any outer clothing to vis	itors entering the fa	ırm?				🗌 Yes	🗌 No		
If Yes, identify items of clothing provided:									
5	the farm when this	s flock wa	as on the farm	. List d	late of service and name of person (or contract company) ar	nd if they had	d contact		
with the birds.		<u> </u>	Dates		Name	Conto	Contact?		
	Yes	No	Dales		Hanits				
Service person						_			
Vaccination crew Moving crew (moving from brood to	Yes 🗌	No				Yes	🗌 No		
grow, or pullet house to layer house)	Yes 🗌	No				Yes	🗌 No		
Processing plant load out	🗌 Yes 🗌	No				Yes	🗌 No		
Load-out crew (positive flock)	Yes 🗌	No				Yes	🗌 No		
	If load-out took n	nore than	1 night, was	the retu	urning crew the same crew?	Yes	No No		
	Truck Number/N	umbers							
	Trailer Number/N	lumbers							
	What plant did flo	ock go to'	?						
Load-out crew	☐ Yes □	No				Yes	🗌 No		
(flock previous to positive flock)			1 night was	the retu	Irning crew the same crew?	☐ Yes			
If load-out took more than 1 night, was the returning crew the same crew?									
	Trailer Number/Numbers What plant did flock go to?								
Poult delivery		-				Yes			
·							_		
Rendering pickup	Yes 🗌					Yes			
Litter services	Yes					Yes	No No		
Cleanout services	Yes 🗌	No				Yes	🗌 No		
Equipment shared, rented, loaned, borrowed (each of the categories of visitor is likely to be accompanied by equipment of some sort or another)	🗌 Yes 🗌	No				Yes	🗌 No		
Feed delivery	Yes 🗌	No				Yes	🗌 No		
5. Who makes sure covers are closed after	r delivery?			6. Are	e feed covers kept closed?				
J. WILD BIRDS									
1. Do you see wild birds around your farm? Yes No 2. Do you see birds all year round? Yes No									
If Yes, what type of birds? (check all that apply) If Yes, what type of birds?									
_			3. Is there seasonality to the presence of some types of birds? Yes No						
		If Yes, what type of birds and what seasons do you see them?							
Small perching birds (sparrows, starlings, or swallows)			4. Where are wild birds seen in relation to the farm? (check all that apply)						
Other water birds (egrets, cormorants, etc.)			On adjacent habitats away from facilities and equipment (identify location of habitat on photos)						
☐ Other			On the farm but not in the barns (identify facilities or equipment in which birds have contact)						
			On the farm and sometimes in the barns (identify facilities or equipment in which birds have contact)						

FARM DIAGRAM - Attach a download from satellite imagery, if possible. In addition, draw a simple schematic map of the farm site centering with the poultry houses/pens. Identify where the HPAI positive flocks were housed. Also include: fan banks on houses, residence, driveways, public roads, bodies of water, feed tanks, gas tanks, out house buildings, waster dumpsters, electric meters, dead bird disposal, parking areas, and other poultry sites, etc. Digital photographs, if allowed, are excellent supporting documentation.