

# Immediate notification report

Report reference: , Ref OIE: 7979, Report Date: 06/04/2009 , Country: United States of America

## Report Summary

<b>Disease</b>	Low pathogenic avian influenza (poultry)	<b>Animal type</b>	Terrestrial
<b>Causal Agent</b>	Low pathogenic avian influenza virus	<b>Serotype(s)</b>	H7N9
<b>Clinical Signs</b>	No	<b>Reason</b>	Reoccurrence of a listed disease
<b>Date of first confirmation of the event</b>	31/03/2009	<b>Date of Start of Event</b>	31/03/2009
<b>Date of report</b>	06/04/2009	<b>Date Submitted To OIE</b>	06/04/2009
<b>Diagnosis</b>	Laboratory (advanced)	<b>Date Of Last Occurrence</b>	10/2008
<b>Number Of Reported Outbreaks</b>	Submitted= 1, Draft= 0	<b>Name of Sender of the report</b>	Dr John Clifford
<b>Address</b>	Room # 317-E	<b>Position</b>	Deputy Administrator
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	1400 Independence Ave, SW Washington, DC 20250 Washington	<b>Entered by</b>	Dr John Clifford
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## Outbreak (this report - submitted)

State	County	Unit Type	Location	Latitude	Longitude	Start date	End Date
KENTUCKY	Grayson County	Farm	Grayson County	37,3583	-86,5417	31/03/2009	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	20000	...	0	20000	0	
<b>Affected Population</b>							
A commercial poultry broiler-breeder operation consisting of two poultry broiler-breeder houses with 20,000 birds that were 49 weeks old.							

## Outbreak summary: Total outbreaks = 1 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	20000		0	20000	0

## Epidemiology

Epidemiological comments
<ul style="list-style-type: none"> <li>• 31 March 2009: a National Poultry Improvement Plan (NPIP) laboratory reported seropositive results for avian influenza. The birds were being tested as part of the NPIP Avian Influenza Clean Program (H5 and H7) for breeding facilities. No clinical signs other than a modest drop in egg production reported. No increase in mortality.</li> <li>• 1 April 2009: Enhanced surveillance at the broiler-breeding operation implemented and additional laboratory samples were taken. There were no clinical indications of disease at the time of diagnostic testing.</li> <li>• 2 April 2009: The National Veterinary Services Laboratory (NVSL) confirmed H7 RRT-PCR and hemagglutinin subtype as H7 positive.</li> </ul>

--Laboratory testing is continuing, but to date no virus has been isolated.

• Kentucky State animal health officials, in coordination with USDA APHIS Veterinary Services, implemented the LPAI response plan in accordance with the Kentucky Initial State Response and Containment Plan for H5 and H7 LPAI. Implementation included:

- An enhanced surveillance zone of 10Km (6.2 miles) was implemented as outlined in the plan. There are four farms, all breeder facilities, and all owned by the same company, within the 10Km radius of the positive premises. Laboratory samples were collected and submitted from all four farms.

- Surveillance of backyard poultry flocks is being conducted within a 3Km (2-mile) radius of the premises.

• 4 April 2009: NVSL reported sera tested by haemagglutination inhibition test and neuraminidase inhibition test were seropositive for H7N9

• 4 April 2009: As a precautionary measure, all birds in the two houses were depopulated.

• 5 April 2009: All laboratory samples collected from the enhanced surveillance on the four breeding facilities yielded negative laboratory results for avian influenza.

Note by the OIE Animal Health Information Department: H5 and H7 avian influenza in its low pathogenic form in poultry is a notifiable disease as per Chapter 10.4. on avian influenza of the Terrestrial Animal Health Code (2008).

**Source of the outbreak(s) or origin of infection** • Unknown or inconclusive

## Control Measures

<b>Applied</b>	<ul style="list-style-type: none"> <li>• Stamping out</li> <li>• Quarantine</li> <li>• Zoning</li> </ul>	<b>To be applied</b>	• Disinfection of infected premises/establishment(s)
		<b>Vaccination Prohibited</b>	Yes
<b>Animals treated</b>	No		

## Country / Zone

**Country or zone** a zone or compartment

## Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	National Veterinary Services Laboratory (NVSL)	Birds	enzyme-linked immunosorbent assay (ELISA)	05/04/2009	Negative
National laboratory	National Veterinary Services Laboratory (NVSL)	Birds	agar-gel immunodiffusion (AGID)	05/04/2009	Negative
National laboratory	National Veterinary Services Laboratory (NVSL)	Birds	neuraminidase inhibition assay	04/04/2009	Positive
National laboratory	National Veterinary Services Laboratory (NVSL)	Birds	haemagglutination inhibition test (HIT)	04/04/2009	Positive
National laboratory	National Veterinary Services Laboratory (NVSL)	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	04/04/2009	Positive
National laboratory	National Veterinary Services Laboratory (NVSL)	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	02/04/2009	Positive
Local laboratory	National Poultry Improvement Plan (NPIP) laboratory	Birds	agar-gel immunodiffusion (AGID)	31/03/2009	Positive

## Future Reporting

**What further reports will be submitted in relation to this event?**

There are 1outbreaks that are still recorded as unresolved. It is not possible to declare this event resolved until these individual outbreaks are resolved.

The event is continuing. Weekly follow-up reports will be submitted.

## Outbreak map

