Immediate notification report

Report reference: 2009-CAN-AI-01, Ref OIE: 7720, Report Date: 24/01/2009 , Country: Canada

Report Summary

Disease	Low pathogenic avian influenza (poultry)	**Animal type**	Terrestrial
Causal Agent	Low pathogenic avian influenza virus (H5)	**Serotype(s)**	Pending
Clinical Signs	Yes	**Reason**	Reoccurrence of a listed disease
Date of first confirmation of the event	23/01/2009	**Date of Start of Event**	20/01/2009
Date of report	24/01/2009	**Date Submitted To OIE**	24/01/2009
Diagnosis	Laboratory (advanced)	**Date Of Last Occurrence**	2005
Number Of Reported Outbreaks	Submitted= 1, Draft= 0, Deleted= 0	**Name of Sender of the report**	Dr Brian Evans
Address	59 Camelot Drive, Room 146 W OTTAWA K1A 0Y9	**Position**	Chief Veterinary Officer
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Email	bevans@inspection.gc.ca	**Entered by**	Dr Brian Evans

Outbreak (this report - submitted) (2009-BC-001)

Province	Unit Type	Location	Latitude	Longitude	Start date	End Date
BRITISH COLUMBIA	Farm	Abbotsford	49,0322	-122,4487	20/01/2009	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	28000	...	...	...	...

Affected Population

A turkey meat type production unit. Turkeys are all kept in the same barn. There are 3 distinct groups of birds. The affected flock is ~12 weeks old (~9,000 birds), and the other groups are 18 days (~9,453 birds) and 52 days (~10,000 birds). No significant mortality was observed.

Outbreak summary: Total outbreaks = 1 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	28000				

Epidemiology

Epidemiological comments

The premises where the disease was diagnosed is in the Fraser Valley in the province of British Columbia, where an important event of highly pathogenic avian influenza also occurred in 2004. British Columbia is located at the westernmost limit of Canada.

Birds from this farm were submitted by the veterinary private practitioner to the Animal Health Centre (AHC - British Columbia Ministry of Agriculture, Food and Fisheries) as a routine submission for a respiratory related problem with no significant mortality. The AHC is a member of the

Canadian Avian Influenza Laboratory Network. The Canadian Food Inspection Agency (CFIA) National Center for Foreign Animal Diseases confirmed the diagnosis (conventional PCR H5 positive) on samples initially processed by the AHC.

Results of gene sequencing indicate a low path cleavage site (NVPQRETR/GLFGAIA). The sequence is 99% related to another H5 virus (H5N2) from California in 2007. Closest match in Genbank is A/American green-winged teal/California/HKWF609/2007(H5N2), accession number:

CY033444

Additional tests are underway.

The index premises and all premises within 3 km of this premises have been placed under quarantine. Trace out investigations are underway and all significant contacts will also be quarantined. Surveillance and control activities have started in accordance with the CFIA Notifiable Avian

Influenza Hazard Specific Plan.

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

Applied	• Quarantine • Screening	**To be applied**	• Stamping out • Disinfection of infected premises/establishment(s)
Animals treated	No	**Vaccination Prohibited**	Yes

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	CFIA National Center for Foreign Animal Diseases - Winnipeg	Birds	polymerase chain reaction (PCR)	23/01/2009	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