Follow-up report No.2

Report Summary
Name of sender of the report Dr Toshiro Kawashima
Position CVO
Address Animal Health Division
Food Safety and Consumer Affairs Bureau
Ministry of Agriculture, Forestry and Fisheries
1-2-1 Kasumigaseki
Chiyoda-ku
Tokyo 100-8950
Telephone (81-3) 3502 8295
Fax (81-3) 3502 3385
Email animal_health88@nm.maff.go.jp
Date submitted to OIE 25/11/2014

Animal type Terrestrial
Date of report 25/11/2014
Disease Highly pathogenic avian influenza
Date of start of the event 03/11/2014
Causal Agent Highly pathogenic avian influenza virus
Date of pre-confirmation of the event 13/11/2014
Serotype(s) H5N8
Date of last occurrence 16/04/2014
Reason Reoccurrence of a listed disease
Diagnosis Laboratory (advanced)
Country or zone the whole country
Clinical signs No

Number of reported outbreaks submitted= 2, Draft= 0

Outbreak details
Province SHIMANE-other report - submitted
Number of outbreaks -
District -
Sub-district -
Unit Type Not applicable
Location Yasugi-shi
Latitude 35.431442
Longitude 133.250915
Start Date 03/11/2014
End Date 13/11/2014
Species Tundra Swan:Anatidae(Cygnus columbianus)
Measuring units Animals
Susceptible 1
Cases 1
Deaths 0
Destroyed 0
Slaughtered 0
Affected Population 2 fecal samples from Cygnus columbianus (tundra swan)

Province CHIBA-other report - submitted
Number of outbreaks -
District Nagara-machi
Sub-district -
Unit Type Not applicable
Location Chosei-gun
Latitude 35.431122
Longitude 140.227086
Start Date 18/11/2014
End Date 22/11/2014
Species Anatidae (unidentified): Anatidae (incognita)
Measuring units Animals
 Susceptible 1
Cases 1
Deaths 0
Destroyed 0
Slaughtered 0
Affected Population 2 fecal samples from Anatidae (species are unknown since only fecal samples were collected)

Outbreak summary: Total outbreaks = 2 (Submitted)

Species Tundra Swan
Susceptible 1
Cases 1
Deaths 0
Destroyed 0
Slaughtered 0

Species Anatidae (unidentified)
Susceptible 1
Cases 1
Deaths 0
Destroyed 0
Slaughtered 0

Epidemiological comments
It was confirmed on 20 November 2014 that 2 fecal samples out of 50 fecal samples from Anatidae (wild birds, species unknown) were positive for H5N8 influenza A virus. The samples had been collected on 18 November 2014 and were subject to virus isolation and real-time RT-PCR. The confirmation tests on the pathogenicity of the virus were conducted by the National Institute of Animal Health (NIAH) and the result of gene sequencing indicated that a HA0 cleavage site of the amino acid sequence was consistent with that of highly pathogenic avian influenza virus (positive results from fecal samples only and no clinical cases).

Source of the outbreak(s) or origin of infection
• Unknown or inconclusive
<table>
<thead>
<tr>
<th>Measures applied</th>
<th>Vaccination Prohibited</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Control Measures</td>
<td>No</td>
</tr>
</tbody>
</table>

| Animals treated | Yes                      |

<table>
<thead>
<tr>
<th>Diagnostic test results</th>
<th>Laboratory Type</th>
<th>Name of Laboratory</th>
<th>Species</th>
<th>Test Type</th>
<th>Date Results Provided</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>National laboratory</td>
<td>National Institute of Animal Health</td>
<td>Anatidae (unidentified)</td>
<td>neuraminidase inhibition assay</td>
<td>22/11/2014</td>
<td>Positive</td>
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<tr>
<td></td>
<td>National laboratory</td>
<td>National Institute of Animal Health</td>
<td>Anatidae (unidentified)</td>
<td>gene sequencing</td>
<td>21/11/2014</td>
<td>Positive</td>
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<td></td>
<td>Local laboratory</td>
<td>Chiba Livestock Hygiene Centre</td>
<td>Anatidae (unidentified)</td>
<td>real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)</td>
<td>20/11/2014</td>
<td>Positive</td>
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<td></td>
<td>Local laboratory</td>
<td>Chiba Livestock Hygiene Centre</td>
<td>Anatidae (unidentified)</td>
<td>virus isolation</td>
<td>20/11/2014</td>
<td>Positive</td>
</tr>
</tbody>
</table>

**Future Reporting**

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

Follow-up report No.: 2, Report reference: , OIE Ref: 16584, Report Date: 25/11/2014, Country: Japan