Follow-up report No.: 3
Report reference: BHT_HPAI_2012_01, OIE Ref: 11659, Report Date: 01/03/2012, Country: Bhutan

Report Summary

**Disease**
Highly pathogenic avian influenza

**Animal type**
Terrestrial

**Causal Agent**
Highly pathogenic avian influenza virus

**Serotype(s)**
H5N1

**Clinical Signs**
Yes

**Reason**
Reoccurrence of a listed disease

**Date of first confirmation of the event**
08/01/2012

**Date of event**
01/03/2012

**Diagnosis**
Clinical, Laboratory (advanced)

**Date Of Last Occurrence**
25/03/2010

**Number Of Reported Outbreaks**
Submitted= 4, Draft= 0

**Name of Sender of the report**
Mr Tenzin Dhendup

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PO Box # 113 THIMPHU

**Position**
Director

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**Fax**
(975-2) 322 094

**Email**
t-dhendup@moa.gov.bt

**Outbreak (other report - submitted)**

<table>
<thead>
<tr>
<th>Province</th>
<th>District</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHHUKHA</td>
<td>Chukha</td>
<td>Village</td>
<td>Tsimasham</td>
<td>27,1024</td>
<td>89.5617</td>
<td>30/12/2011</td>
<td></td>
</tr>
<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Destroyed</td>
<td>Slaughtered</td>
<td></td>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>2010</td>
<td>87</td>
<td>87</td>
<td>1241</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

**Affected Population**
A backyard poultry farm adjacent to the national highway.

**Outbreak (other report - submitted)**

<table>
<thead>
<tr>
<th>Province</th>
<th>District</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHHUKHA</td>
<td>Chukha</td>
<td>Village</td>
<td>Mebesa</td>
<td>26,976</td>
<td>89.3397</td>
<td>30/12/2011</td>
<td></td>
</tr>
<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Destroyed</td>
<td>Slaughtered</td>
<td></td>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>2010</td>
<td>103</td>
<td>103</td>
<td>1581</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

**Affected Population**
The new cases have occurred in backyard poultry in Mebesa village located above the district road off the national highway in Chhukha district.

**Outbreak (this report - submitted)**

<table>
<thead>
<tr>
<th>Province</th>
<th>District</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHHUKHA</td>
<td>Chukha</td>
<td>Farm</td>
<td>Bunagu</td>
<td>26,9679</td>
<td>89.5852</td>
<td>08/01/2012</td>
<td></td>
</tr>
<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Destroyed</td>
<td>Slaughtered</td>
<td></td>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>123</td>
<td>37</td>
<td>35</td>
<td>86</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>
**Affected Population**
A backyard poultry farm adjacent to the national highway.

**Outbreak (other report - submitted)**

<table>
<thead>
<tr>
<th>Province</th>
<th>District</th>
<th>Sub-district</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thimphu</td>
<td>Thimphu</td>
<td>Chang</td>
<td>Village</td>
<td>Chang Gedaphu</td>
<td>27.6482</td>
<td>89.5179</td>
<td>13/01/2012</td>
<td></td>
</tr>
</tbody>
</table>

**Species**

<table>
<thead>
<tr>
<th>Species</th>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>270</td>
<td>36</td>
<td>38</td>
<td>232</td>
<td>0</td>
</tr>
</tbody>
</table>

**Affected Population**
A poultry backyard farm within Thimphu City

**Outbreak summary: Total outbreaks = 4 (Submitted)**

<table>
<thead>
<tr>
<th>Species</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>4413</td>
<td>265</td>
<td>263</td>
<td>3140</td>
<td>0</td>
</tr>
</tbody>
</table>

**Epidemiology**

**Epidemiological comments**
Source of the outbreak(s) or origin of infection: Unknown or inconclusive

**Control Measures**

- Stamping out
- Movement control inside the country
- Screening
- Disinfection of infected premises/establishment(s)
- Dipping / Spraying

**To be applied**
- No Planned Control Measures

**Animals treated**
No

**Country / Zone**

| Country or zone | a zone or compartment |

**Diagnostic test results**

<table>
<thead>
<tr>
<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>National laboratory</td>
<td>National Centre for Animal Health</td>
<td>Birds</td>
<td>real-time PCR</td>
<td>10/01/2012</td>
<td>Positive</td>
</tr>
</tbody>
</table>

**Future Reporting**

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

There are 4 outbreaks 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.